

Energy Library Update

October 2007

David Parker gets wind of Energy Library

This month we were delighted to welcome Energy Minister David Parker to the library when he came along to learn more about our services. He can be seen here with Library Manager Jackie Park and Library Director Brian Cox.

We are able to supply the resources listed in this Update to our members, for which there may be costs depending on your type of membership. If you would like any of the resources just email us quoting the title of the item or its reference code. Note that most of the loan items listed are issued for 2 weeks due to high demand.

Non-members can access these articles through their institutional or public library via the interlibrary network.

Alternatively, for information on membership please [email](#) or phone us (04 801 8465).



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New Books and Standards

The last oil shock: A survival guide to the imminent extinction of petroleum man. (2007) David Strahan. London: John Murray (publishers)
The award-winning investigative journalist Strahan, suggests we have reached a critical state.
(To borrow this book email library@energylibrary.org.nz Ref: **10Shock**)

Key world energy statistics 2007. International Energy Agency (IEA). Paris: IEA.
Presents data on the supply, transformation and consumption of all major energy sources.
(To borrow this book email library@energylibrary.org.nz Ref: **10Key**)

Biofuels for transport: Global potential and implications for sustainable energy and agriculture. (2007) Worldwatch Institute. London: Earthscan

This text is intended as a resource for decision makers and presents existing production methods and policies for biofuels and assessing options for their future development.

(To borrow this book email library@energylibrary.org.nz Ref: **10Biofuels**)

Annex VIII: Hydropower good practices. Environmental mitigation: measures and benefits. (2006). IEA. Japan: New Energy Foundation

(To borrow this book and CD email library@energylibrary.org.nz Ref: **10Hydro**)

Energy auditors manual: New Zealand. (2007) Energy Efficiency and Conservation Authority (EECA): Energy Management Association. Wellington: Energy Management Association

This manual has been prepared as a complementary document to the Energy Audit Standard (AS/NZS 3598:2000 Energy Audits) and to help those carrying out audits.

This manual is available [online](#) or you can [borrow](#) our copy (Ref: **10Audit**)

AS/NZS 4680: 2006. Hot dip galvanized (zinc) coatings on fabricated ferrous articles

(To borrow this standard email library@energylibrary.org.nz Ref: **10-4680**)

ISO 14064.1: 2006. Greenhouse gases. Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.

(To borrow this standard email library@energylibrary.org.nz Ref: **10-14064.1**)

GRIDLOCKED---GONE AWOL—MISSING IN ACTION—LOST IN SPACE—SLEEPLESS IN SEATTLE--CAN YOU HELP?

The following standards which were listed in one of our recent updates have gone walkabouts. We would be grateful if you would please check to see if these are on anyone's desk in your organisation. We still have outstanding requests for these. Anyone [providing information](#) that leads to the location of these standards will be rewarded with an Energy chocolate bar.

AS 4777: 2005. Grid connection of energy systems via inverters

Part 1: Installation requirements.

Part 2: Inverter requirements.

Part 3: Grid protection requirements.

Potential new Table of Contents Service title

One of our members would like us to add **Materials at High Temperatures** to the list of titles in our table of contents service. If anyone else would be interested in this title please [email](#) Kat McAra. If there is enough interest we will add this title to our table of contents email alerts which are free to members (log in to our [website](#) to see the list of titles).

Special Journal Issue

Reshaping markets for the benefit of energy saving (*Energy Policy*; Volume 34, Issue 2, January 2006)

This special issue contains 10 articles including:

- From volatility to value: analysing and managing financial and performance risk in energy savings projects
- Tradable certificates for renewable electricity and energy savings

(To borrow this whole issue email library@energylibrary.org.nz Ref: **10Saving**)

New Management, Marketing and HR Articles

Are performance appraisals worth the hassle? *Across the Board*; Jul/Aug 2006, Vol. 43 (4), p.39-44

(For a copy of this article email library@energylibrary.org.nz Ref: **10Board**)

Service smarts. Schneider, Benjamin and others. *Marketing Management*; Jul/Aug 2007, Vol. 16 Issue 4, p.29-34

About "corporate service intelligence" and what managers can do to increase service quality.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Benjamin**)

Infusing innovation into corporate culture. Robert M. Price. *Organizational Dynamics*; Volume 36, Issue 3, 2007, p.320-328

(For a copy of this article email library@energylibrary.org.nz Ref: **10Price**)

A test of basic assumptions of affective events theory (AET) in call centre work.

Wegge, Jürgen. *British Journal of Management*; Sep 2006, Vol. 17 Issue 3, p.237-254

AET hypothesises that particular aspects of work such as autonomy affect employees' emotions, which in turn affects their level of job satisfaction. The author examined data from 85 call centres in the U.K. and found this to be the case. This article will be of use to managers who want to put in place strategies that will influence organizational attitudes, employee well-being and productivity.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Wegge**)

A culture of coaching: The challenge of managing performance for long-term results.

Lindbom, David. *Organization Development Journal*; Summer 2007, Vol. 25 (2), p.P101-P106

(For a copy of this article email library@energylibrary.org.nz Ref: **10Lindbom**)

Uncertainty during organizational change: Managing perceptions through communication.

Allen, James and others. *Journal of Change Management*; Jun 2007, Vol. 7 Issue 2, p.187-210

(For a copy of this article email library@energylibrary.org.nz Ref: **10Allen**)

Project team performance: A study of electronic task and coordination

communication. Chiocchio, François. *Project Management Journal*; Mar 2007, Vol. 38 Issue 1, p.97-109

The results of this study indicate that project managers should encourage effective electronic communication on task and coordination among team members. The communication styles of the highest-performing teams are examined.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Francois**)

The art of designing markets. Roth, Alvin E. *Harvard Business Review*; Vol. 85 No. 10 Oct. 2007, p.118-126

To function properly markets must be able to attract a sufficient number of buyers and sellers, induce participants to make their preferences clear, and overcome congestion by providing both enough time to make choices and a speedy means of registering them. Solutions to these challenges are the province of market design - a blend of game theory and experimental economics....In the future, computers may make it possible to auction bundled goods, such as airport takeoff and landing slots. As online markets proliferate, a growing understanding of markets in general will provide virtually limitless opportunities for market design.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Roth**)

New Energy and Environment Articles

Growing energy. Halkett, John. *Inwood*; Sep/Oct 2007 Issue 76, p.42-44, 3p.

The article focuses on the biomass energy initiatives in Australasia. A collaborative arrangement between Scion, AgResearch and Diverse Corp. is strengthening biomass energy initiatives in New Zealand. The Bioenergy Knowledge Centre was established to provide tools and information on using wood waste more effectively. The Bioenergy Gateway--Energy from wood is a new Web site that provides useful information to assist wood-based energy generation.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Halkett**)

The shift to greener fleets. Kevany, Kevin. *NZ Business*; Sep 2007, Vol. 21 (8), p.44-50

Changes are afoot in New Zealand's company vehicle leasing and management market.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Kevin**)

Resource management and Maori attitudes to water in southern New Zealand.

Williams, Jim. *New Zealand Geographer*; Apr2006, Vol. 62 Issue 1, p.73-80

(For a copy of this article email library@energylibrary.org.nz Ref: **10Jim**)

The social implications of decarbonising the New Zealand economy. Ralph Chapman

and Jonathan Boston. *Social Policy Journal of New Zealand*; (31) July 2007

This article is available [online](#).

Climate business | Business climate (*Harvard Business Review*; Vol. 85 No. 10 Oct. 2007)

This series of articles on climate change and business is [freely available](#) on the HBR website.

The emergence of the intelligent utility: A new view of service delivery. McDaniel, Mary and Gray, Connor. *Management Quarterly*; Summer 2007, Vol. 48 Issue 2, p.2-12
(For a copy of this article email library@energylibrary.org.nz Ref: **10Gray**)

The growing power of alternatives. *Investment Dealers' Digest*; 9/10/2007, Vol. 73 Issue 34, p.22-32,
Several financial experts took part in this panel discussion on the state of alternative and renewable energy in the U.S.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Digest**)

Switzerland plans for a sustainable energy future. *Energy Design Update*; Vol. 27 Issue 8 Aug 2007 p.3-6, 4p.
The article presents the plans of Switzerland for a sustainable energy future including carbon-neutral electricity, garbage to energy project, and making renewable energy projects.
(For a copy of this article email library@energylibrary.org.nz Ref: **10EDU**)

Preventing blackouts. Amin, Massoud and Schewe, Phillip F. *Scientific American*; May 2007, Vol. 296 Issue 5, p.60-67
Note that this is the text-only version of the article.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Amin**)

Rising demand for oil. Bustelo, Pablo. *New England Journal of Public Policy*; Summer 2007, Vol. 21 Issue 2, p.171-201, 31p.
This article describes how China's growing demand for energy is presenting both China and the Asian Pacific region with challenges related to energy security and geopolitical tension.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Pablo**)

The history of wave energy utilisation. Antonio F. de O. Falcão. In: *Renewable Energy* 2006 (p.76-79). London: Sovereign.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Falcao**)

Waste not, want not. Venables, Mark. *Automotive Manufacturing Solutions*; May/June 2007, p60-66
Describes what auto manufacturers GM and Ford are doing to reduce their impact on the environment. Examples include oil-recycling and glass filtration projects.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Venables**)

Policies for environmentally sustainable transport. Matsumoto, Naoko and others. *International Review for Environmental Strategies*; 2007, Vol. 7 Issue 1, p.97-116
Using case studies from the Research on Innovative and Strategic Policy Options (RISPO) project this study looks at what developing countries in the Asia-Pacific region can learn from existing sustainable transport policies around the world.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Naoko**)

Life cycle cost analysis of alternative vehicles and fuels in Thailand. Martin Goedecke and others. *Energy Policy*; Vol. 35, Issue 6 (June 2007) p.3236-3246

High crude oil prices and pollution problems have drawn attention to alternative vehicle technologies and fuels. The question is: What are the benefits/costs of these technologies for society?

(For a copy of this article email library@energylibrary.org.nz Ref: **10Martin**)

Mandatory information disclosure and environmental performance in the electricity industry. Delmas, Magali and others. *Academy of Management Proceedings*; 2007, p.1-6

Investigates the effect of mandatory information disclosure on utilities' fuel mix percentages in the U.S.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Delmas**)

Rate design is the no. 1 energy efficiency tool. Hethie Parmesano. *The Electricity Journal*; Volume 20, Issue 6, (July 2007) p.18-25

It is one thing to understand the theory of efficient pricing and another thing to actually implement it. However, the job is getting easier, as wholesale markets simplify the task of estimating marginal generation and transmission costs, advanced metering infrastructure makes time-varying pricing feasible, and the industry recognizes the value of straightforward, easy-to-understand prices.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Hethie**)

The regional greenhouse gas initiative (cover story). Bogdonoff, Sondra and Rubin, Jonathan. *Environment*; Mar 2007, Vol. 49 Issue 2, p.8-16, 9p.

This article examines how the state of Maine is putting the [Regional Greenhouse Gas Initiative](#) (RGGI) into action. The RGGI features a flexible cap-and-trade program.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Sondra**)

Valuing renewable energy in emerging U.S. carbon markets. Elizabeth Lokey. *The Electricity Journal*; Volume 20, Issue 6, (July 2007) p.46-57

The current input-based allocation system proposed for the Regional Greenhouse Gas Initiative in the Northeast prevents renewable energy from contributing to emissions reductions within the market. A scheme where allowances are set aside for current and future voluntary green power sales and retired by customers when they are purchased would allow additional reductions to be made. Whichever allocation scheme is chosen, though, should be implemented in both emerging U.S. markets to decrease problems of allowance fungibility and reduce transaction costs associated with allowance tracking.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Lokey**)

Up in the air. David Watkins. *Energy Risk*; Volume 4 (9) July 2007 p.64-67

Power producers in the thriving U.S. wind industry are moving away from long term power purchase agreements towards short term and spot power markets.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Watkins**)

CO2 prices, energy and weather. Mansanet-Bataller, Maria and others. *Energy Journal*; Vol. 28 Issue 3 2007 p.73-92, 20p.

One of the main objectives of the European Union Emission Trading Scheme is the establishment of a market price level for allowances that show to European CO2 emitting installations the environmental impact of their polluting activities. The aim of this paper is to focus on the daily price changes during 2005 in an attempt to examine the underlying rationality of pricing behaviour. The full abstract and other abstracts from the Energy Journal can be found on the [IAEE website](#).

(For a copy of this article email library@energylibrary.org.nz Ref: **10Maria**)

Power usage effectiveness. Kosik, William J. *Engineered Systems*; Sep 2007, Vol. 24 (9), p.50-58, 5p.

The increasingly popular power usage effectiveness metric can be a very helpful instrument when developing an optimal heating, ventilation, & air conditioning plan for a data centre.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Kosik**)

Effects of thermally pretreated temperature on bio-hydrogen production from sewage sludge. Xiao Ben-yi and Liu Jun-xin. *Journal of Environmental Sciences*; Jan 2006, Vol. 18 (1), p.6-12

(For a copy of this article email library@energylibrary.org.nz Ref: **10Liu**)

Investigation of the energetic and exergetic performance of the Gonen geothermal district heating system. L. Ozgener and others. *Proceedings of the Institution of Mechanical Engineers*; Nov 2006. Vol. 220, Iss. A7; p.671 (9p.)

This article describes a performance evaluation of the Gonen geothermal district heating system (GGDHS) in Balikesir, Turkey on the basis of energy and exergy analyses. The case study covers the actual system data taken from the GGDHS in Balikesir, Turkey.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Gonen**)

Hot rock energy passes first test. David Kay. *Australasian Science*; Aug 2006. Vol. 27, Iss. 7; p.27 (2p.)

(For a copy of this article email library@energylibrary.org.nz Ref: **10Kay**)

Geothermal potential of the Pyramid Lake Paiute Reservation, Nevada, USA: Evidence of previously unrecognized moderate-temperature (150-70°C) geothermal systems.

This article is available [online](#).

Resource potential estimates likely to change. Vello A Kuuskraa. *Oil & Gas Journal*; Sep 17, 2007. Vol. 105, Iss. 35, p.64, 66-71 (7 p.)

Discusses the size and nature of the resource base including why and how the estimates of recoverable resources may change and evolve...

(For a copy of this article email library@energylibrary.org.nz Ref: **10Vello**)

Short-term electricity prices forecasting in a competitive market: A neural network approach. J.P.S. Catalão and others. *Electric Power Systems Research*; Vol 77, Issue 10, (Aug 2007) p.1297-1304

In competitive electricity markets short-term price forecasting is required by producers and consumers to derive their bidding strategies to the electricity market. Accurate forecasting tools are essential for producers to maximize their profits, avoiding profit losses over the misjudgement of future price movements, and for consumers to maximize their utilities. A three-layered feedforward neural network, trained by the Levenberg-Marquardt algorithm, is used for forecasting next-week electricity prices. We evaluate the accuracy of the price forecasting attained with the proposed neural network approach, reporting the results from the electricity markets of mainland Spain and California.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Catalao**)

Preparing for the next generation of hydro employees. Lawson, J. Michael. *Hydro Review*; Volume 25 No. 7 p.24-28 (3p.)

(For a copy of this article email library@energylibrary.org.nz Ref: **10Memisevic**)

Network access charges, vertical integration, and property rights structure—experiences from the German electricity markets. Christian Growitsch and Thomas Wein. *Energy Economics*; Volume 27, Issue 2, March 2005, p.257-278

After the deregulation of the German electricity markets in 1998, the German government opted for a regulatory regime called negotiated third party access, which would be subject to ex-post control by the federal cartel office. Network access charges for new competitors are based on contractual arrangements between energy producers and industrial consumers. As the electricity networks are incontestable natural monopolies, the local and regional network operators are able to set (monopolistic) charges at their own discretion, restricted only by the possible interference of the federal cartel office (Bundeskartellamt). In this paper we analyze if there is evidence for varying charging behaviour depending on the supplier's economic independence (structure of property rights) or its level of vertical integration.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Wein**)

Affecting component lives. Jin, H. *Turbomachinery International*; 48 (4) 2007, p.29-31.

Use of water or steam injection in gas turbine combustors can have a detrimental affect on components. This article suggests what can be done at the design stage to mitigate this.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Jin**)

Landmark U.S. Supreme Court decision puts U.S. on likely path to regulating greenhouse gas emissions (Commentary). Don C. Smith. *Utilities Policy*; Vol. 15, Issue 3, (Sept 2007) p.215-222

In an April 2007 landmark decision that will have major implications for U.S.-based power utilities, the United States Supreme Court in *Massachusetts v. Environmental Protection Agency* (EPA) ruled that the U.S. Environmental Protection Agency has the authority to regulate greenhouse gas emissions, and that the EPA can avoid promulgating such regulations only if it determines that greenhouse gases do not contribute to climate change or if it provides some reasonable explanation as to why it cannot or will not exercise its discretion to determine whether they do.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Smith**)

Forest environmental investments and implications for climate change mitigation.

Ralph J. Alig, Lucas S. Bair. *Journal of Environmental Quality*. Jul/Aug 2006. Vol. 35, Iss. 4, p.1389-1395 (7p.)

Read the [abstract](#) for this article on the journal's website.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Bair**)

On the three-state weather model of transmission line failures. A Csenki. *Proceedings of the Institution of Mechanical Engineers*; Sep 2007. Vol. 221, Iss. O3; p.217 (12p.)

Recent work by Billinton et al. has highlighted the importance of employing more than one adverse weather state when modelling transmission line failures by Markov processes. In the present work the structure of the modelling Markov process is identified, allowing the rate matrix to be written in a closed form using Kronecker matrix operations...

(For a copy of this article email library@energylibrary.org.nz Ref: **10Csenki**)

Sag-tension calculation methods for overhead lines / CIGRE Technical Brochure

Summary 324 - TF B2.12.3. *Electra*; 232 (June 2007) p.27,29,31,33

This brochure identifies and describes the most essential elements of the sag-tension calculation process and the various mathematical and experimental methods used to predict sag and tension of catenaries over the whole range of conductor temperatures and ice and wind loads. The goal is not to develop a unique calculation method but to provide the engineers with a basic explanation of the sag-tension calculation methods that are in common use throughout the world and with a physical understanding of the processes and mathematical relationships that underlie these methods.

(For a copy of this article email library@energylibrary.org.nz Ref: **10Sag**)

The development of a dynamic model to simulate boiler controls. X.S. Damianos and

others. *Building Services Engineering Research & Technology*. Vol. 28, Iss. 2, May 2007 p.105-116

(For a copy of this article email library@energylibrary.org.nz Ref: **10Boiler**)

Leave only footprints: Measuring and managing corporate carbon emissions - [article](#)

Plug-in hybrid vehicles for a sustainable future – 2007 American Scientist [article](#)

On the grid – [article](#) about new electric cars with high performance batteries

Featured Topic

Modern Metering: Samplings from our collection and the Web.

Prepayment metering report. 2007, Vol. 2. London: ABS Energy Research.

A report of prepayment metering or electricity dispensing worldwide for 2007.

(For a PDF copy of this report email library@energylibrary.org.nz Ref: **10Prepay**)

Smart metering – the benefits for users of microgeneration. Howard Porter. *Future energy: Microgeneration in the UK* (June 2007 supplement to *Energy World*) p.9,11 (2p.)
(For a copy of this article email library@energylibrary.org.nz Ref: **10Porter**)

Meter asset management – a European perspective. Barrie Robertson. *Metering International*; Issue 4, 2004, p.40-41
(For a copy of this article email library@energylibrary.org.nz Ref: **10Robertson**)

Energizing efficiency's potential. Kuhn, T.R. *Electricity Journal*; Oct 2006 Volume 19, Number 8, p.83-87
This article looks at how "Smart" meters, two-way communication and automation technology are rapidly improving information exchange between utilities and their customers.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Kuhn**)

EPAct gives opportunities in electronic metering for regulators and utilities. King, Chris. *Natural Gas & Electricity*; Jul 2006, Vol. 22 Issue 12, p.1-6, 5p.
The author wonders if U.S. state regulators and utilities will see the opportunities presented by the 2005 Energy Policy Act.
(For a copy of this article email library@energylibrary.org.nz Ref: **10King**)

Automatic meter reading (AMR)/Advanced metering infrastructure (AMI). *Multi Utility Meter Report*; 2005, Vol. 4, p.144-150, 7p.
Provides definitions of AMR and AMI as well as describing the technologies involved. Discusses deployment of AMR around the world. Also looks at AMR in the water sector. Lists leading US AMR suppliers as well as some non-U.S. ones.
(For a copy of this article email library@energylibrary.org.nz Ref: **10Multi**)

What is a smart meter? – Ofgem (U.K.) [factsheet](#)

Website: Smart grid newsletter – U.S. [website](#)

Smart meters: commercial, policy and regulatory drivers – 2006 U.K. [report](#)

Meter data management: Step one to harnessing the power of AMI - 2007 [article](#)

Swedish utility deploys AMR system - 2007 [article](#)

Manage risk in AMI deployments - 2007 [article](#)

And if you want more on a specific topic.....

Ask about subscribing to our **Customized Topic Updates** which give regular samplings from our collection, the web and other sources on topics of your choice.

(To request further information email library@energylibrary.org.nz and quote Ref: **Topic**)

Reports

New Zealand energy efficiency and conservation strategy: making it happen: action plan to maximise energy efficiency and renewable energy. (2007) Wellington: New Zealand Government.

This document is available [online](#) or you can [borrow](#) our copy (Ref: **10EECS**)

New Zealand energy strategy to 2050: powering our future: towards a sustainable low emissions energy system. (2007) Wellington: New Zealand Government.

The strategy and supporting documents are [online](#) or you can [borrow](#) our copy (Ref: **10NZES**)

Retrofit alternatives for state houses in cold regions of New Zealand. (2007) Bob Lloyd and others. Dunedin: Foundation for Research Science and Technology

This report presents the findings of the second stage of the 5 year housing research project sponsored by FRST.

(To borrow this report email library@energylibrary.org.nz Ref: **10Retrofit**)

New Zealand electric energy efficiency potential study. (2007) KEMA. Wellington: The Electricity Commission

The main report looks at New Zealand's residential, commercial and industrial sectors. The Technical appendices provide detailed methodology data and model descriptions to assess the cost effectiveness of the technical and economic energy efficiency measures of the Commission. The study is [online](#) or you can [borrow](#) our copy (Ref: **10KEMA**)

Conferences

Sustainable Energy Forum seminar: "Electric Vehicles in New Zealand"

Thursday 15 November, 12.30-2pm in Lecture Theatre 2, Old Government Buildings (Victoria University Law School), Lambton Quay, Wellington. More information is available [online](#).

Energy on the Web

New Zealand

Regulating biofuel quality – government [discussion document](#)

The carboNZero programme - [website](#)

The framework for a New Zealand emissions trading scheme – 2007 government [report](#)

We're right behind you: A proposed New Zealand approach to emissions reduction – Oct 2007 New Zealand Institute [discussion paper](#). Here's Rod Oram's [response](#).

Smart investments on the electricity demand side – 2007 WWF-New Zealand [report](#)

International

Statkraft to build world's first osmotic power plant - 08 October 2007 [news](#)

Building geothermal bridges between old technologies and existing wells – [conference summary](#).

Australian Conservation Association Consumption Atlas – [online tool](#) for consumers

Wind power's contribution to electric power generation and impact on farms and rural communities – [GAO report](#)

Transitioning to a renewable energy future - International Solar Energy Society (ISES) [white paper](#)

Global Environment Outlook: environment for development (GEO-4) - United Nations Environment Programme [report](#). Read the 25th October press release about the report [here](#).

The rush to ethanol: Not all biofuels are equal (analysis and recommendations for U.S. biofuels policy) – 2007 [report](#)

Energy efficiency for SMEs: Instruction on intelligent and rational use of energy – 2006 Italian [report](#)

Black balloons: Making CO2 real – online [video](#) demonstrating emissions caused by energy consumption.

Energy Chocolate Competition

To be in to win a king-size bar of energy chocolate [email Kat McAra](#) the answers to the following 2 questions:

- 1) Who sponsors the Engineering Update that we publish monthly?
- 2) What was the Special Focus topic in the Sept 2007 Engineering Update?



(Clue: back issues of Engineering Updates can be found on our [website](#)).

Draw closes 4pm Friday 16th November 2007.

If you are not currently receiving the monthly Energy Library Update email and would like to, let us know. If you wish to be unsubscribed just let us know by email or phone.

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