

Energy Library Update

July 2008

Welcome to the July issue. At the end of such a stormy month we hope that you are keeping warm and dry. Hopefully you will find an item or two of interest in this update that will take your attention away from the relentless rain.

We can supply the resources listed in the Update to our members, for which there may be costs depending on the type of membership.

If you would like an item just email us the title or its reference code. Loan items listed in the Update are sometimes issued for two weeks instead of four due to high demand.

Non-members can access items from their institutional or public library via inter-library loan.

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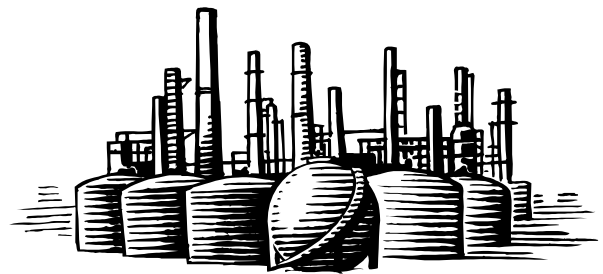
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New Items for Loan

Electricity market reform: An international perspective. (2006). Sioshansi, Fereidoon P. and Wolfgang, Pfaffenberger (Eds). Amsterdam: Elsevier

This book looks at the most important competitive electricity markets around the world and provides definitive answers as to why some markets have performed while others have failed. The lessons contained within are of direct relevance to regulators, policy makers, the investment community, industry, academics and graduate students of electricity markets worldwide. This book covers liberalisation and deregulation on a worldwide scale. It features expert contributions from key people within the electricity sector and also includes a chapter on the New Zealand electricity sector by Geoff Bertram.

(To borrow this book email library@energylibrary.org.nz Ref: **0708-Wolfgang**)

A crude awakening: The oil crash. (2007) A film by Basil Gelpke and Ray McCormack.

This 90 minute documentary focuses on the end of cheap oil. The filmmakers try to answer the question "when will supply exceed demand for this non-renewable resource, and what happens after this"? Not an easy task considering the difficulties in calculating reliable figures of current oil reserves and the vast differences in opinion on the subject. The film was the Official Selection at film festivals in many countries in 2007 and 2008.

(To borrow this DVD email library@energylibrary.org.nz Ref: **0708-DVD**)

Post carbon cities: Planning for energy and climate uncertainty. (2007) Daniel Lerch. Sebastopol, California: Post Carbon Institute.

This book fills an important gap in the resources currently available to local government decision-makers. It looks at what steps they can take to address these challenges. The author argues that the bottom line should be to "reduce consumption and produce locally."
(To borrow this book email library@energylibrary.org.nz Ref: **0708-Post**)

Six thinking hats. (2000) Revised and updated edition. Edward de Bono. London: Penguin

This revised and updated well-known work aims to demonstrate how people working in business can make the fullest use of their intelligence, experience and information. It proposes that thinking be divided into six distinct modes or "hats".
(To borrow this book email library@energylibrary.org.nz Ref: **0708-Bono**)

Renewables information 2007 with 2006 data. 6th ed. (2007) IEA Statistics series. International Energy Agency. Paris: OECD / IEA

This resource brings together essential statistics on renewables and waste energy sources and provides a strong foundation for policy and market analysis. It provides an overview of developments in the markets for renewables and waste in the OECD member countries as well as selected renewables indicators for non-OECD countries. It encompasses energy indicators, generating capacity, electricity and heat production from renewable and waste sources.
(To borrow this book email library@energylibrary.org.nz Ref: **0708-IEA**)

The new autonomous house: Design and planning for sustainability. (2000) Brenda Vale and Robert Vale. London: Thames & Hudson

The Vales built a house on the principles of sustainable resources in a small town in the British Midlands. As specialists in green architecture, the Vales sought to create an environmentally friendly, low energy house. They document the philosophy, design, and construction.
(To borrow this book email library@energylibrary.org.nz Ref: **0708-Vale**)

HB 13: 2007. Handbook: Electrical equipment for hazardous areas.

4th edition. Originated as SAA HB13-1988. Previous edition was 2000.
(To borrow this standard email library@energylibrary.org.nz Ref: **0708-HB**)

AS/NZS 3580.9.11: 2008. Methods of sampling and analysis of ambient air. Method 9.11: Determination of suspended particulate matter - PM 10 beta attenuation monitors.

(To borrow this standard email library@energylibrary.org.nz Ref: **0708-AS**)

Special Journal Issue

Evolution of distribution systems: The past, present and future (*IEEE Power & Energy magazine*; Vol. 5 No. 4, Jul/Aug 2007).

This special journal issue contains 6 articles on distribution systems, including: Stimulating efficient distribution; Microgrids; Chinese growing pains
(To borrow this whole issue email library@energylibrary.org.nz Ref **0708-IEEE**)

New Management, Marketing and HR Articles

Benefits of the NEC ECC form of contract: A New Zealand case study. J. Nevan Wright and Warwick Fergusson. *International Journal of Project Management*; Article in Press.

This paper examines by means of a case study the effectiveness of the project and process method detailed in the NEC Engineering and Construction Contract (ECC), as developed and published by the Institute of Civil Engineers (ICE), and makes recommendations regarding its future use. The performance of the ECC with that of a conventional form of contract delivered by two separate contractors to the same employer on the same site in similar timeframes in New Zealand provided a unique opportunity for comparison. The objective was to determine if the benefits claimed by the proponents of the NEC ECC were realised, to understand the factors which need to be considered to ensure successful use of this form of contract and to understand if any changes are needed to make the contract more effective in the NZ environment. Qualitative data were gathered by way of a series of semi-structured interviews with the project management teams of the employer and with both contractors, supplemented by secondary quantitative data extracted from project records. It is concluded that use of ECC does deliver business benefits. Minor changes are recommended for alignment with NZ statutes. It is considered that the findings will be of interest to project managers for larger and complex engineering and construction projects in any country.

(To request: email library@energylibrary.org.nz Ref **0708-Fergusson**)

Investigating risk factors for slips, trips and falls in New Zealand residential construction using incident-centred and incident-independent methods. Tim Bentley and others. *Ergonomics*; 1/15/2006, Vol 49 (1), p.62-77

(To request: email library@energylibrary.org.nz Ref **0708-Bentley**)

The economics of trust. *New Zealand Management*; Jun 2008, Vol 55 (5), p44-46

An interview with Stephen M. R. Covey, author and management/leadership consultant from the U.S., is presented. He offers his definition of trust. He elaborates on the economics of trust he explored in his book entitled "The Speed of Trust." [*Energy Library holds this book*]. He discusses the way by which companies can communicate bad news, in particular in relation to poor trading conditions or possible redundancies without impacting the trust of employees.

(To request: email library@energylibrary.org.nz Ref **0708-Covey**)

Bully-free at work. Hadyn Olsen. *Employment Today*; April 2008, Issue 127, p.31-33

(To request: email library@energylibrary.org.nz Ref **0708-Olsen**)

Be a better leader, have a richer life. Friedman, Stewart D. *Harvard Business Review*; Apr 2008, Vol 86 (4), p.112-118

Work fills most executives' lives to the brim, leaving insufficient time for their families, their communities, and themselves. But Wharton professor Friedman suggests that, rather than view the problem as a set of trade-offs, executives use their leadership talents to benefit all four domains at once. The idea is to design experiments that incorporate and mutually benefit the various aspects of their lives. If an experiment works out, everyone wins; if it doesn't, it simply becomes a low-cost learning opportunity. Friedman suspects that there are far more opportunities for simultaneous benefits than people realize.

(To request: email library@energylibrary.org.nz Ref **0708-Friedman**)

Trends shaping tomorrow's world: Forecasts and implications for business, government, and consumers (Part One). Cetron, Marvin J.; Davies, Owen. *Futurist*; Mar/Apr 2008, Vol 42 (2), p.35-52

The authors outline the findings of Forecasting International's (FI) periodic trend report. Areas covered include the US economy, technology, migration, energy consumption.
(To request: email library@energylibrary.org.nz Ref **0708-Cetron**)

Analysing customer satisfaction surveys using a fuzzy rule-based decision support system: Enhancing customer relationship management. S. Ammar and others. *Journal of Database Marketing & Customer Strategy Management*; Mar 2008, Vol 15 (2), p.91-105

The survey analysed as an illustrative example in this paper was carried out by the corporate information division of a major US electric utility.
(To request: email library@energylibrary.org.nz Ref **0708-Ammar**)

Managerial perceptions of executive remuneration in New Zealand. Aprea, Angela C. and Mouly, V. Schitra. *Human Resources Magazine*; Feb 2006, Vol 10 (6), p.28-31

(To request: email library@energylibrary.org.nz Ref **0708-Aprea**)

Negotiating a salary or raise in a tough economic climate. *Harvard Management Update*; Jul 2008, Vol. 13 Issue 7, p3-4, 2p

(To request: email library@energylibrary.org.nz Ref **0708-HMU**)

Some perspectives on past recession - June 2008 *Reserve Bank Bulletin* online [article](#).

When growth is unsustainable – May 2008 *New Zealand Management* online [article](#).

New Energy and Environment Articles

Energy efficiency in New Zealand's residential sector: A systemic analysis. Arun Abraham Elias. *Energy Policy*; Article in press, 2008.

This paper examines the complexity arising from the multiple, time varying factors that impact energy efficiency in New Zealand's residential sector. Initial problem structuring involved the analysis of behaviour over time of main variables and incorporated stakeholder analysis using a systems approach. Further, a systems model of the problem situation was developed using a participative group model building process. The analysis of the model revealed a set of feedback loops operating in the system identified as responsible for the complexity of the problem situation relating to energy efficiency. The paper concludes by highlighting some of the main results relating to long-term structural changes suggested by the stakeholders involved in this study to change the behaviour of the system.

(To request: email library@energylibrary.org.nz Ref **0708-Arun**)

The Resource Management Act 1991 through external eyes. Carlman, Inga. *New Zealand Journal of Environmental Law*; 2007 Vol 11, p.181-210.

(To request: email library@energylibrary.org.nz Ref **0708-Inga**)

Red tape and renewables: Re-examining the resource management act. Mackenzie, Alistair. *E.NZ magazine*; May/Jun 2008 Volume 9 (3), p.4-12

Will the RMA provide an effective framework for future investment in renewable generation capabilities?

(To request: email library@energylibrary.org.nz Ref **0708-Mackenzie**)

Energy forests. Dover, Michael. *Inwood*; May/Jun 2008 Issue 80, p.48-50

The article discusses a study released in March 2008 by Scion, which claims that plantation forests intended to supply energy, are enough to provide the need of New Zealand for transport fuel and heat energy needs by 2050, without damaging the agricultural industry. New Zealand is said to be easily affected by the record prices of oil. The Scion study may still be open to debate but, as noted, the wood-based lignocellulosic ethanol will not affect the production of food supply as compared to the growing of corn to generate biofuel.

(To request: email library@energylibrary.org.nz Ref **0708-Dover**)

How business can conserve energy. *NZ Business*; Jul 2008, Vol 22 (6), p.77-77

This one page article looks at the energy-conservation efforts made by Sustainable Business Network (SBN) members in the New Zealand energy sector.

(To request: email library@energylibrary.org.nz Ref **0708-Business**)

Towards a sustainable energy balance: Progressive efficiency and the return of energy conservation - this August 2008 *Energy Efficiency* article is available [online](#) for the rest of this year.

The trouble with meat. Bond, Michael. *Engineering & Technology (IET)*; 21 Jun - 4 Jul 2008, Vol 3 (11), p.16-19

With per capita meat consumption soaring, the meat industry has become one of the main factors in climate change.

(To request: email library@energylibrary.org.nz Ref **0708-Bond**)

The price of biofuels. David Rotman. *Technology Review*; Jan/Feb 2008 Vol 111 (1), p.42-51

The author discusses the economic challenges of biofuels production.

(To request: email library@energylibrary.org.nz Ref **0708-Rotman**)



Solar Energy options for New Zealand. Neil Curtis. *Future Times*; 01/05/2008 Vol 2, p.8-10

(To request: email library@energylibrary.org.nz Ref **0708-Curtis**)

Ranking projects for an electricity utility using ELECTRE III. J. Buchanan and D. Vanderpooten. *International Transactions in Operational Research*; July 2007, Vol 14 (4), p.309-323

A project ranking and selection methodology used by Mighty River Power is described.

(To request: email library@energylibrary.org.nz Ref **0708-Buchanan**)

Travel demand policies for saving oil during a supply emergency. Robert B. Noland and others. *Energy Policy*; Vol 34 (17), Nov 2006, p.2994-3005

An area of growing concern is the future stability of oil producing regions and the ability to maintain stability in international petroleum markets. The transport sector, in particular, is extremely vulnerable to short-term supply disruptions with consequent implications on economic activities in most countries. This paper analyses potential transport demand restraint strategies that could potentially mitigate the impact of short-term supply disruptions.

(To request: email library@energylibrary.org.nz Ref **0708-Noland**)

Global cooling: Electricity peak-shaving techniques to offset climate change. Richard L. Itteilag. *Energy Engineering*; Vol 105 (4) 2008, p.66 (13p.)

(To request: email library@energylibrary.org.nz Ref **0708-Richard**)

Recognising the potential for renewable energy heating and cooling. Kristin Seyboth and others. *Energy Policy*; Vol 36 (7), July 2008, p.2460-2463

Heating and cooling in the industrial, commercial, and domestic sectors constitute around 40-50% of total global final energy demand. A wide range of renewable energy heating and cooling (REHC) technologies exists but they are presently only used to meet around 2-3% of total world demand (excluding from traditional biomass). Several of these technologies are mature, their markets are growing, and their costs relative to conventional heating and cooling systems continue to decline. However, in most countries, policies developed to encourage the wider deployment of renewable electricity generation, transport biofuels and energy efficiency have over-shadowed policies aimed at REHC technology deployment. This paper, based on the findings of the International Energy Agency publication Renewables for Heating and Cooling--Untapped Potential, outlines the present and future markets and compares the costs of providing heating and cooling services from solar, geothermal and biomass resources.

(To request: email library@energylibrary.org.nz Ref **0708-Seyboth**)

A quality installation spec for air conditioners. *Energy Design Update*; Vol 28 (5) May 2008, p.1-4

The article reports on the initiatives taken by the Air Conditioning Contractors of America and the Energy Star program of the U.S. Environmental Protection Agency (EPA) to improve the quality of residential air conditioner installations.

(To request: email library@energylibrary.org.nz Ref **0708-EDU**)

Improving training of engineering students for hydro careers. Harrison, Gareth P. and others. *HRW: Hydro Review Worldwide*; May 2008 Vol 16 (2), p.22,24-27

(To request: email library@energylibrary.org.nz Ref **0708-Harrison**)

Life cycle assessment of the Seagen marine current turbine. C. A. Douglas, and others. *Proceedings of the Institution of Mechanical Engineers.: Part M Journal of Engineering for the Maritime Environment*; Feb 2008. Vol 222 (M1), p.1-12

(To request: email library@energylibrary.org.nz Ref **0708-Douglas**)

Will China take the lead in clean coal R&D? Cox, Andrew. *Energy World (Energy Institute)*; Apr 2008 359. p.16-17.

We've all heard the statistics on the growth of coal consumption in China, much of this to fuel new power stations. And we like to think that European or US-based clean coal technology will eventually be exported there in a big way to begin the clean-up of China's power system. But can China start to take a lead in commercialising clean coal technology?

(To request: email library@energylibrary.org.nz Ref **0708-Cox**)

Sustainable development indicators for the transmission system of an electric utility.

Cory Searcy and others. *Corporate Social Responsibility & Environmental Management*; Jul 2007, Vol 14 Issue 3, p.135-151

(To request: email library@energylibrary.org.nz Ref **0708-Cory**)

Scramble for coal. Ryan, Brendan. *Finweek*; 2/14/2008, p.16-18,

Discusses what is being done to meet increasing demand for coal in South Africa and other African countries. Project plans include a coal-bed methane (CBM) scheme.

(To request: email library@energylibrary.org.nz Ref **0708-Ryan**)



Developing an emission reduction project in the coal industry. Barker, Jill. *Coal International*; Nov 2007, Vol 255 (6), p.28-30

(To request: email library@energylibrary.org.nz Ref **0708-Barker**)

Facilitating wind development: The importance of electric industry structure. Brendan Kirby and Michael Milligan. *The Electricity Journal*; Vol 21 (3), Apr 2008, p.40-54

ISOs and RTOs, with their day-ahead and real-time markets, large geographies to aggregate diverse wind resources, large loads to aggregate with wind, large generation pools that tap conventional-generator flexibility, and regional transmission planning efforts, offer the best environments for wind generation to develop.

(To request: email library@energylibrary.org.nz Ref **0708-Kirby**)

Market-based demand response: Experiences from a Norwegian research project.

Sæle, Hanne; Grande, Ove S. *Metering International*; Issue 1 2008. p.78,80-81.

(To request: email library@energylibrary.org.nz Ref **0708-Grande**)

Demand for storage of natural gas in northwestern Europe: Trends 2005-30. Felix Hoffler, Madjid Kubler. *Energy Policy*; Vol 35 (10), Oct 2007, p.5206-5219

We provide an estimation of the additional need for underground storage facilities in northwestern Europe until 2030. Storage is one important source to provide supply flexibility in order to match the seasonal demand for natural gas. However, this supply flexibility is now largely provided in northwestern Europe by indigenous production. Declining reserves will increase the dependency on imports from far-off sources, which are less flexible. Hence, flexibility must be provided by additional storage.

(To request: email library@energylibrary.org.nz Ref **0708-Kubler**)

The method of determining marginal costs of energy transmission in power network.

Helena Rusak. *International Journal of Electrical Power & Energy Systems*; Vol 30 (6-7), July-Sept 2008, p.428-433

This paper outlines "point to point" method of allocating the marginal costs of energy transmission in power network to receiving nodes of the network, based on redistribution of line flow in the network onto shares originating from respective nodes charge allocation. Presented results of the marginal costs calculation of energy transmission were carried out in closed network.

(To request: email library@energylibrary.org.nz Ref **0708-Rusak**)

Banking with a green conscience. Wiegler, Lawrie. *Engineering & Technology (IET)*; 21 Jun - 4 Jul 2008, Volume 3, Issue 11. p.20-22.

In 2003, New Yorkers experienced a major power outage that was the first indication of an impending energy crisis. But it has spurred one bank to see the value of investing in alternative energy.

(To request: email library@energylibrary.org.nz Ref **0708-Lawrie**)

The impacts of EU CO2 emissions trading on electricity markets and electricity consumers in Finland. M. Kara and others. *Energy Economics*; Vol 30, Issue 2, (March 2008) p.193-211

In this paper, the likely impacts of the EU emission trading system on the Nordic electricity market and on the position of various market actors are assessed. In its first phase, the EU CO2 emission trading system includes power plants with thermal capacity greater than 20 MW, metals industry, pulp and paper industry, mineral industry and oil refineries. This paper describes the assessment done for the Finnish Minister of Trade and Industry, analysing the likely impacts on power plant operators, on energy-intensive industries, on other industries and on other consumer groups.

(To request: email library@energylibrary.org.nz Ref **0708-Kara**)

The end of the grid as we know it? Nakou, Georgia. *IET Power Engineer*; Feb/Mar 2007 Vol 21 (1), p.16-19

The IET Energy Sector Panel look at distributed generation, a much talked about strategy.

(To request: email library@energylibrary.org.nz Ref **0708-Nakou**)

Integrating distributed generation into electric power systems: A review of drivers, challenges and opportunities. J.A. Peças Lopesa and others. *Electric Power Systems Research*; Jul 2007 Vol 77 (9), p.1189-1203.

It is now more than a decade since distributed generation (DG) began to excite major interest amongst electric power system planners and operators, energy policy makers and regulators as well as developers. This paper presents an overview of the key issues concerning the integration of DG into electric power systems that are of most interest today.

(To request: email library@energylibrary.org.nz Ref **0708-Lopesa**)

Solving varnish problems in gas turbine lubricants. Linda Day. *Tribology & Lubrication Technology*; Jan 2008 Vol 64 (1), p.32-38

(To request: email library@energylibrary.org.nz Ref **0708-Day**)

AutoCAD-based concept for estimating lightning protection zone of transmission lines and structures. Zlatan Stojkovic and Zivko Stankic. *International Journal of Electrical Engineering Education*; Oct 2006, Vol 43 (4), p.299-312,314,316-317
(To request: email library@energylibrary.org.nz Ref **0708-Stankic**)

Reports

On firmer ground: New Zealand energy sector report 2008. Stuart McDouall and others. Wellington, N.Z.: McDouall Stuart
This report focuses on the NZ gas sector, analysing trends and performance since the Maui redetermination. It covers such topics as the Gas market, Regulatory context, Downstream, and Upstream. Other forms of energy are also covered. In the appendix a description of each of 24 companies is very useful.
(To borrow this report email library@energylibrary.org.nz Ref: **0708-Firmer**)

Oil, gas & consumable fuels industry profile: Global. Apr 2008. 29 pages
(To request: email library@energylibrary.org.nz Ref **0708-Profile1**)

Oil & Gas Exploration & Production Industry Profile: Global. Apr 2008. 30 pages
(To request: email library@energylibrary.org.nz Ref **0708-Profile2**)

Oil & Gas Refining & Marketing Industry Profile: Global. Apr 2008. 31 pages
(To request: email library@energylibrary.org.nz Ref **0708-Profile3**)

Oil & Gas Storage & Transportation Industry Profile: Global. Apr 2008. 28 pages
(To request: email library@energylibrary.org.nz Ref **0708-Profile4**)

Active cooling and heat pump use in New Zealand: Survey results - 2008 BRANZ [report](#)

World energy use projected to grow 50 percent between 2005 and 2030 - June 2008 EIA [report](#)

The Garnaut review - Draft [report](#) released 4 July 2008

Gallagher review of the indirect effects of biofuels - Renewable Fuels Agency [report](#)

Coalbed methane: current status and outlook - Nov 2007 Panorama [report](#)

Shell energy scenarios to 2050 - the two scenarios in this [report](#) are titled "Scramble" and "Blueprints" reflecting that we can be reactive or proactive when it comes to our energy future.

Fuel for thought - the future of transport fuels: Challenges and opportunities - July 2008 CSIRO [report](#) (Australia)

Special Topic: Hydrogen

Building and interconnecting hydrogen networks: Insights from the electricity and gas experience in Europe. Nuno Bento. *Energy Policy*; Vol 36 (8), Aug 2008, p.3009-3018
(To request: email library@energylibrary.org.nz Ref **0708-Hydrogen1**)

Sustainable energy and transportation systems (*Utilities Policy*; Vol 16 Issue 2, June 2008). This special journal issue includes 3 articles on hydrogen:

- Energy system analysis of utilizing hydrogen as an energy carrier for wind power in the transportation sector in Western Denmark.
- Technologies for electric, hybrid and hydrogen vehicles.
- The green hydrogen paradigm shift: Energy generation for stations to vehicles.

(To borrow this whole issue email library@energylibrary.org.nz Ref **0708-Hydrogen2**)

Update on hydrogen power and fuel cell technologies. Bonadio, Luigi. *Engineers Australia: Magazine of the Institution of Engineers Australia*; May 2008 Vol 80 (5), p.46-47
(To request: email library@energylibrary.org.nz Ref **0708-Hydrogen3**)

Hydrogen: A rocky road to acceptance. Peter Ion. *CMA Management*; Apr 2008, Vol 82 (2), p.28-33
(To request: email library@energylibrary.org.nz Ref **0708-Hydrogen4**)

Fueling U.S. transportation: the hydrogen economy and its alternatives. Heiman, M and Solomon, B. *Environment*; Vol 49 (8) Oct 2007, p.10-25.
(To request: email library@energylibrary.org.nz Ref **0708-Hydrogen5**)

Hydrogen-powered buses pass the test. *Energy World*; Sep 2007 (352), p.17.
(To request: email library@energylibrary.org.nz Ref **0708-Hydrogen6**)

Hydrogen and fuel cells: Review of national R&D programs. (2004) Paris: OECD/IEA
(To borrow this book email library@energylibrary.org.nz Ref **0708-Hydrogen7**)

The hydrogen economy: Savior of humanity or an economic black hole? - March 2008
eSkeptic [article](#)

Hotbed - Apr 2008 *Fast Company* [article](#) on hydrogen energy in Iceland.

But wait, there's more: We had to cut down our selected list of articles on Hydrogen to fit it into the Update. To see the rest of the list please [email us](#) with the reference: **0708-Biblio**

Energy on the Web

New Zealand

Market Design Review – Electricity Commission [options paper](#)
(Submissions close 1st Sept)

Oil emergency response strategy updated - 11 July MED [media statement](#)

Willow plantations set to sell cuttings for bio-fuel – TV3 [news](#) 7 Jul 2008

Home energy advice – Consumer NZ [website](#)

Global oil supply and demand are finely balanced – SEF [press release](#) 22 July 2008

\$10 a litre petrol prices in a decade is a wake-up call – Green's [press release](#) 11 Jul 2008

EcoSmart Electricians programme – [website](#)

Geoff Henderson: Wind power – Kim Hill [interviews](#) the director of Windflow Technology

World consumption – A professor of geography argues that high consumption rates are a greater problem than simple population growth. Radio NZ National audio [file](#) 14 July 2008

ESR/SEF conference: Responding to Oil Depletion and Climate Change - [presentations](#)

International

World's first commercial-scale tidal power system feeds electricity to the National Grid - [news](#) 17 July 2008

Fault puts turbine power on hold - BBC [news](#) 22 July 2008

Peak energy body proposes national framework for electricity safety – Energy Networks Association (ENA) [press release](#) 15 July 2008

Japanese town blazes trail in clean energy – 23 July [news](#)

"Anaconda" could provide up to 20 mw of wave energy – July 15 [news](#)

Study: incentives giving boost to European solar sector - 28 July [news](#)

C4's climate change documentary 'was unfair but not misleading' – 22 July [news](#)

Biodiversity: Some species could be wiped out 100 times faster than feared, say researchers – Guardian [news](#) 3 July 2008. See also this 2008 WWF biodiversity [report](#)

10 steps in 10 years to 100 percent renewable power - Post Carbon Institute [blog](#)



CDM Rulebook - a [website](#) to help you navigate the Clean Development Mechanism rules

Walk Score™: America's most walkable neighbourhoods - [website](#)

Distributed generation reports – Energy Today [website](#) with links to a number of reports

Web 2.0: Connecting the renewable energy community - July 24 Renewable Energy World [podcast](#)

Energy transitions past and future - 1 July Oil drum website [post](#)

The green supply guidelines: Updated proposals – Updated Ofgem [proposal](#)

Online articles

Progress in mercury recycling – *Ecos* [article](#)

How 'green' can a huge house be? - *New York Times* [article](#)

Reaching consensus on sustainable biofuels – *Renewable Energy World* [article](#)

Intermittent wind: Problems and a possible solution - *Power Engineering* [article](#)

In the tank: Making the most of strategic oil reserves - *Foreign Affairs* [article](#)

Materials for Advanced Energy Generation - *Advanced Materials & Processes* [article](#)

Conferences and events

Electricity Network Price Regulation: An update. 5 August 2008, Wellington 6pm. Drinks and nibbles from 5:30pm. Contact: April-mae.marshall@vuw.ac.nz Ph (04) 463-5562

Metering Participants' Forum. This forum is to discuss the upcoming fundamental review of part D and other relevant metering issues. Tuesday 26 August 2008 9am-5pm, Wellington See the Electricity Commission [website](#) for details.

10th Annual New Zealand Energy Summit co-located with the **6th Annual Gas Industry Summit.** 15 - 16 Sept 2008, Wellington. Details [here](#)

50th NZWWA Annual Conference & Expo. Sept 24-26, 2008, Christchurch. See the NZWWA [website](#) for details.

Fuel for Thought (Energy chocolate competition)

Has reading the Update made you hungry? Need some energy?

[Email](#) us the URL of an energy or engineering website that you think might be of interest to other library members and you will go into the draw to win a King Size bar of Cadbury Energy chocolate.



Draw closes 4pm Friday 22nd August 2008.

Congratulations to last month's winner, we hope you enjoyed your chocolate!

Other Services

Engineering Update and Bioenergy Update: Read the previous ones on the [newsletter page](#) of our website. [Let us know](#) if you would like to go on the mailing list for either of them.

Customized Topic Updates: To request details about subscribing to our Customized Topic Updates [email us](#) and quote **Ref: Topic**

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