

Energy Library Update

October 2008

This month we'd like to encourage you to take a look at our online catalogue.

We add new items to the catalogue almost daily. You'll need to login to the members' section of the Energy Library [website](#). If you have forgotten your login details please [email us](#).

As well as searching the catalogue you can try the **Quick Clicks**, where you can browse by subject and view our **Selected Resources** reading lists. So far we have reading lists for:

- Electric vehicles
- Health and safety
- Hydrogen
- Recent books on global energy or environmental problems
- Wind energy



We'll be adding more reading lists soon (Energy efficiency; Bioenergy; Peak oil; Solar energy; Natural Gas; Geothermal energy; Hydropower etc).

If you'd like us to develop a reading list in your general area of interest just [email us](#).

Accessing Energy Update items

We can supply the resources listed in the Update to our members, for which there is no charge for members who have Open Access membership. To request an item just [email us](#) the title or reference code.

Loan items may be issued for a shorter period of 2 weeks due to high demand. Non-members can access items from their institutional or public library via inter-library loan.

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New Items for Loan

Hot, flat and crowded: Why the world needs a disruptive green revolution and how we can renew our global future. (2008). Thomas L. Friedman. London, U.K: Allen Lane
According to the author - who is a U.S. writer and an expert on the Middle East - we need to reduce our dependence on oil for the sake of the environment and global security.
(To borrow this book email library@energylibrary.org.nz Ref: **1008-Loan1**)

The imperfect board member: Discovering the seven disciplines of governance excellence. (2006). Brown, Jim. San Francisco: Jossey-Bass.
This book provides valuable lessons on how to improve corporate governance. It will be of interest to all boards and directors who want to be part of a "healthy board."
(To borrow this book email library@energylibrary.org.nz Ref: **1008-Loan2**)

AS/NZS 2430.3.3: 2004 Classification of hazardous areas Part 3.3: Examples of area classification: flammable liquids (incorporates Amdt no.1).
(To borrow this standard email library@energylibrary.org.nz Ref: **1008-Loan3**)

AS/NZS 2430.3.4: 2004 Classification of hazardous areas Part 3.4: Examples of area classification: flammable gases (incorporates Amdt no.1).
(To borrow this standard email library@energylibrary.org.nz Ref: **1008-Loan4**)

Special Journal Issues

Modeling socio-economic aspects of bioenergy use (*Energy Policy*; Dec 2007).
The special section of this issue contains 12 articles, including:

- Impacts of policy means for increased use of forest-based bioenergy in Norway—A spatial partial equilibrium analysis.
- How to transform local energy systems towards bioenergy? Three strategy models for transformation.

(To borrow this whole issue email library@energylibrary.org.nz Ref: **1008-Journal1**)

Low carbon world *Future Energy*; (May 2008 supplement to *Energy World*). This 12 page supplement contains 6 articles on low carbon cities etc, including:

- Advancing the corporate demand for renewables
- Steps towards zero carbon homes and buildings
- An alternative approach – a 'virtual' renewables power plant

(To borrow this whole issue email library@energylibrary.org.nz Ref: **1008-Journal2**)

Focus on climate change (*Energy, resource, environmental and sustainable management*; Jan/Feb 2008). This 16 page section contains 5 articles, including:

- Climate change is your business: HSBC case study
- Microgeneration and its role in tackling climate change

(To borrow this whole issue email library@energylibrary.org.nz Ref: **1008-Journal3**)

New Management, Marketing and HR Articles

A dynamic perspective on next-generation offshoring: The global sourcing of science and engineering talent. Manning, Stephan and others. *Academy of Management Perspectives*; Aug 2008, Vol 22 (3), p.35-54

(To request: email library@energylibrary.org.nz Ref **1008-Manning**)

Managing flexible working arrangements effectively. Yaqub, Lyndal. *Chartered Accountants Journal*; Jul 2008, Vol 87 (6), p.68-70

(To request: email library@energylibrary.org.nz Ref **1008-Lyndal**)



Releasing Fletcher Aluminium's invisible handbrake - Workplace literacy: a win-win situation. Tatham, Helen. *New Zealand Management*; Jul 2008, p.44-48

A case study illustrating the benefits of a workplace literacy programme at Fletcher Aluminium where English is a second language for a large percentage of the staff.

(To request: email library@energylibrary.org.nz Ref **1008-Helen**)

Harnessing the power of social media. Johnson, Stephen. *NZ Marketing Magazine*; Aug 2008, Vol 27 (7), p.56-58

The author reflects on the power of social media. The author states that in the online world, the public is gaining more and more control with a plethora of user-generated content proliferating on the Internet. The author cites several examples of the benefits of utilising the social media analysis. According to the author, the practice of monitoring social networks and the subsequent harnessing of influencers through data analysis technologies will become less rare as more organisations embrace the new era of media.

(To request: email library@energylibrary.org.nz Ref **1008-Johnson**)

When tikanga and employment law meet. Reaich, Carl. *Employment Today*; Aug 2008 (131), p.31-33

Maori customary principles and processes may conflict with an employer's statutory obligations.

(To request: email library@energylibrary.org.nz Ref **1008-Carl**)

KiwiSaver: Fees fiasco. Wendelborn, Marc. *Consumer*; Jun 2008 (481), p.16-18

KiwiSaver is confusing employees, employers, financial advisers, and even those running it.

(To request: email library@energylibrary.org.nz Ref **1008-Marc**)

Can you make that clear? Smith, N. *Engineering & Technology (IET)*; 21 Jun - 4 Jul 2008, Vol 3 (11), p.82-83

An article about the deterioration of language in management. It includes six rules by George Orwell for writing clearly. The topic has proved so popular that the IET now has an online [forum](#) devoted to it.

(To request: email library@energylibrary.org.nz Ref **1008-Smith**)

Opening the books. Scott, Paul. *Environmental Finance; May 2008 Volume 9 (7)*. p.18-19. Corporate responsibility reporting is getting deeper and broader - by and large. The author reviews trends in corporate disclosure.
(To request: email library@energylibrary.org.nz Ref **1008-Scott**)

Embedding good practice sharing within process improvement. Kwan S. Jeong and others. *Engineering, Construction and Architectural Management; Vol 13 (1) 2006*, p.62-81
(To request: email library@energylibrary.org.nz Ref **1008-Kwan**)

The new arsenal of risk management. Buehler, Kevin and others. *Harvard Business Review; Sep 2008, Vol 86 (9)*, p.92-100
The global banking system is facing a severe liquidity crisis: In the first half of 2008, major financial institutions wrote off nearly \$400 billion, causing banks around the world to initiate emergency measures. Similar crises have occurred within recent memory: Think of S&Ls, the dot-com bust, and Enron. Risk is, quite simply, a fact of corporate life--but because risk-management research has increasingly emphasized mathematical modeling, managers may find it incomprehensible and thus shy away from powerful tools and markets for creating value. The authors, all with McKinsey, describe the evolution of risk management since the 1970s, show how new markets have changed the landscape in both financial services and the energy sector, and explain what it takes to compete in the current environment.
(To request: email library@energylibrary.org.nz Ref **1008-Kevin**)

New Energy and Environment Articles

ETS reports: Coming to a desk near you? Murphy, Leah. *Chartered Accountants Journal; Oct 2008 Vol 87 (9)*, p.28-31
(To request: email library@energylibrary.org.nz Ref **1008-Murhpy**)

How to make RMA more user-friendly. John Hassan. *National Business Review; Sept 12, 2008* p.27 (short article).
(To request: email library@energylibrary.org.nz Ref **1008-Hassan**)

Heat pump energy efficiency, performance, installation and maintenance. Hutson, Peter. *IRHACE Journal; Sep/Oct 2008 Vol 20 (5)*, p.8-13
The author runs the Mitsubishi Electric Heat Pump National Training Centre in Auckland.
(To request: email library@energylibrary.org.nz Ref **1008-Hutson**)

Calculate the right size heat pump for your needs – Consumer [website](#).

Breaking the habit - how UK industry could increase energy efficiency. Allen, Julie. *Energy World; Jan 2008 (356)* p.10-11.
Substantial savings are available in the UK industrial sector. The author examines the difficulties facing UK businesses in their efforts to kick bad energy habits.
(To request: email library@energylibrary.org.nz Ref **1008-Allen**)

Utility grade compressed air systems. Jerry C. Eaton and others. *Energy Engineering*; 2008 Vol 105 (3), p.66,69-78
(To request: email library@energylibrary.org.nz Ref **1008-Eaton**)

Fluorescent efficiencies affected by ballast choice. *Electrolink*; Aug/Sept 2008, p.62-63
(To request: email library@energylibrary.org.nz Ref **1008-Ballast**)

Economic analysis of passive houses and low-energy houses compared with standard houses. A. Audenaert and others. *Energy Policy*; Vol 36 (1) Jan 2008, p.47-55
As the energy demand used for space heating accounts for 78% of EU15 household delivered energy consumption, significant reductions in energy demand can be achieved by promoting low-energy buildings. Our study investigates three building types: the standard house, the low-energy house and the passive house. As more far-reaching measures concerning energy savings usually lead to higher investments, the aim of our study is to perform an economic analysis in order to determine the economic viability of the three building types.
(To request: email library@energylibrary.org.nz Ref **1008-Auden**)

What changes energy consumption? Prices and public pressures. Reiss, Peter C.; White, Matthew W. *RAND Journal of Economics*; Fall 2008 Vol 39 (3), p.636-663
(To request: email library@energylibrary.org.nz Ref **1008-Reiss**)

Understanding public complacency about climate change: adults' mental models of climate change violate conservation of matter. John D. Sterman, Linda Booth Sweeney. *Climatic Change*; Feb 2007 Vol 80 (3-4), p.213-238
(To request: email library@energylibrary.org.nz Ref **1008-Booth**)

Green decisions: demographics and consumer understanding of environmental labels. D'Souza, Clare and others. *International Journal of Consumer Studies*; Jul 2007, Vol 31 (4), p.371-376
(To request: email library@energylibrary.org.nz Ref **1008-Clare**)

Disagreement over carbon footprints: A comparison of electric and LPG forklifts. Eric Johnson. *Energy Policy*; Vol 36 (4), April 2008, p.1569-1573
Carbon footprint is an increasingly popular concept: for labelling, marketing, finance and regulation. In individual cases, carbon footprints can also be contentious, for example in the case of LPG and electric forklifts. Therefore, the fuel carbon footprints of the two were investigated to see if a fair, robust comparison could be made.
(To request: email library@energylibrary.org.nz Ref **1008-Forklifts**)

What do we learn from emissions reporting? Analytical considerations and comparison of pollutant release and transfer registers in the United States, Canada, England, and Australia. Kerret, Dorit; Gray, George M. *Risk Analysis: An International Journal*; Feb 2007, Vol 27 (1), p.203-223
(To request: email library@energylibrary.org.nz Ref **1008-Kerret**)

Sustainable aviation - Obvious or an oxymoron? Y. Curtis.
Future Times; 01/08/2008, Vol 3, p.3-5

This article is about a presentation by Gerry Coates at the Aviation Industry Association Annual Conference in Tauranga, New Zealand on July 21 this year. Coates is a professional engineer and the director of consulting company, Wise Analysis Limited.

(To request: email library@energylibrary.org.nz Ref **1008-Curtis**)



Fuel switching in the electricity sector under the EU ETS: Review and prospective.
Delarue, Erik and others. *Journal of Energy Engineering*; Jun 2008 Vol 134 (2), p.40-46

The European Union has implemented the European Union emission trading scheme (EU ETS) as an instrument to facilitate greenhouse gas (GHG) emission abatement stipulated in the Kyoto protocol. Empirical data show that in the early stages of the EU ETS, the value of a ton of CO₂ has already led to emission abatement through switching from coal to gas in the European electric power sector. In the second part of this paper, an electricity generation simulation model is used to perform simulations on the switching behavior in both the first and the second trading periods of the EU ETS.

(To request: email library@energylibrary.org.nz Ref **1008-Erik**)

Energy options: Do coal-burning power plants fit? *Business & the Environment with ISO 14000 Updates*; Mar 2008 Vol 19 (3), p.4-5

(To request: email library@energylibrary.org.nz Ref **1008-ISO**)

Coal seam gas water from Maramarua, New Zealand: characterisation and comparison to United States analogues. Taulis, M.; Milke, M. *Journal of Hydrology New Zealand*; Vol 46 (1) 2007, p.1-17

(To request: email library@energylibrary.org.nz Ref **1008-Taulis**)

Oil and water do mix. Davies, Rob. *Risk: Currencies, interest rates, equities, commodities, credit*; Jun 2008 Vol 21 (6), p.85-86

An article about enterprise risk management at StatoilHydro, which is a Nordic company formed in 2007 by the merger of Statoil and the oil and gas business of Norsk Hydro.

(To request: email library@energylibrary.org.nz Ref **1008-Davies**)

Effect of surface roughness on losses and performance of Kaplan turbines.
Krishnamachar, P.; Fay, A. *International Journal on Hydropower & Dams*; Vol 15 (1) 2008, p.102-107

(To request: email library@energylibrary.org.nz Ref **1008-Fay**)

Refurbishing surge tanks and penstocks. Chen, C.T. and others. *Hydro Review*; Sep 2007 Vol 26 (5), p.22, 24-27

(To request: email library@energylibrary.org.nz Ref **1008-Chen**)

Risk shifting major element in project finance for renewables. Einowski, Edward D.; Roek, Katherine A. *Natural Gas & Electricity*; Oct 2007 Vol 24 (3), p.1-6.
(To request: email library@energylibrary.org.nz Ref **1008-Edward**)

Learning from wind energy policy in the EU: lessons from Denmark, Sweden and Spain. Meyer, Niels I. *European Environment: The Journal of European Environmental Policy*; Sep/Oct 2007, Vol 17 (5), p.347-362
(To request: email library@energylibrary.org.nz Ref **1008-Meyer**)

Renewable energy opportunities - is wind really best? Elliott, David. In: *Renewable Energy 2007 / 2008* (p.51-57), London: Sovereign
(To request: email library@energylibrary.org.nz Ref **1008-Elliott**)

Fuelled for success. Raea, Steve. *E.NZ magazine*; Mar/Apr 2008 Vol 9/2. p.10-13.
The move toward clean-burning, sustainable and cheaper biofuel solutions is a worldwide imperative. Auckland-based Flotech Ltd is well-placed to take on the international marketplace with its customised alternative fuel solutions, as Steve Raea reports.
(To request: email library@energylibrary.org.nz Ref **1008-Raea**)

Green energy from food wastes at wastewater treatment plant. Gray (Gabb), Donald M. D. *BioCycle*; Jan 2008, Vol 49 (1), p.53-59
(To request: email library@energylibrary.org.nz Ref **1008-Gray**)

Models for the estimation of building integrated photovoltaic systems in urban environments. P. Clarke and others. *Proceedings of the Institution of Mechanical Engineers: Part A Journal of Power and Energy*; Feb 2008. Vol 222 (A1), p. 61-67
Growing concerns of global warming has spurred a rapid growth in micro-renewable technologies. Technologies, which can be integrated into building structures, such as photovoltaic and solar thermal systems, are a popular choice with clients and installers. Traditional solar energy models are often used when designing building integrated photovoltaic (BIPV) systems. Problems are often encountered in urban locations where BIPV systems do not meet their design performance. This is because the solar energy models used in the design process include only the effects of shading caused by the blockage of the beam component, but do not consider the effects of overall global dimming, caused by the reduction of the diffuse component emanating from the sky hemisphere due to surrounding obstacles, such as buildings and trees. The current paper presents two models, which have been developed to incorporate the effects of shading of either the beam component, or the shading of both the beam and the diffuse components on BIPV output.
(To request: email library@energylibrary.org.nz Ref **1008-Clarke**)

Combined heat and power in commercial buildings: Investment and risk analysis. Karl Magnus Maribu; Stein-Erik Fleten. *The Energy Journal*; 2008 29 (2), p.123-150
(To request: email library@energylibrary.org.nz Ref **1008-Magnus**)

Assessing the long-term system value of intermittent electric generation technologies. Alan Lamont. *Energy Economics*; Vol 30 (3), May 2008, p.1208-1231

This research investigates the economic penetration and system-wide effects of large-scale intermittent technologies in an electric generation system. The research extends the standard screening curve analysis to optimize the penetration and system structure with intermittent technologies. The analysis is based on hour-by-hour electric demands and intermittent generation. A theoretical framework is developed to find an expression for the marginal value of an intermittent technology as a function of the average system marginal cost, the capacity factor of the generator, and the covariance between the generator's hourly production and the hourly system marginal cost. A series of model runs are made examining the penetration of wind and photovoltaic in a simple electric generation system. These illustrate the conclusions in the theoretical analysis and illustrate the effects that large-scale intermittent penetration has on the structure of the generation system. In the long-term, adding intermittent generation to a system allows us to restructure the dispatchable generation capacity to a mix with lower capital cost. It is found that large-scale intermittent generation tends to reduce the optimal capacity and production of baseload generators and increase the capacity and production of intermediate generators, although the extent to which this occurs depends strongly on the pattern of production from the intermediate generators. It is also shown that the marginal value of intermittent generation declines as it penetrates. The analysis investigates the specific mechanism through which this occurs.

(To request: email library@energylibrary.org.nz Ref **1008-Lamont**)

The smart grid: Recent developments and the years ahead. Mohn, Terry. *Metering International*; Issue 1 2008. p.30,32-33.

(For a copy of this article email library@energylibrary.org.nz Ref: **1008-Mohn**)

Assessing the integration of electricity markets using principal component analysis: Network and market structure effects. Evans, Lewis and others. *Contemporary Economic Policy*; Jan 2008, Vol 26 (1), p.145-161

The New Zealand electricity market is under scrutiny in this article.

(To request: email library@energylibrary.org.nz Ref **1008-Evans**)

A different perspective on energy network regulation: an international survey of regulation managers. Paul H.L. Nillesen. *The Electricity Journal*; Vol 21 (6), July 2008, p.79-89

Quality in terms of sector knowledge and independence are rated above average by surveyed regulation managers. On the other hand, incentivizing optimal quality of service, promoting timely investment, minimizing regulatory uncertainty, and promoting innovation are rated below average by the managers.

(To request: email library@energylibrary.org.nz Ref **1008-Nillesen**)

Economic and environmental impacts from the implementation of an intelligent demand side management system at the European level. Papagiannis, G. and others. *Energy Policy*; Vol 36 (1) Jan 2008, p.163-180

(To request: email library@energylibrary.org.nz Ref **1008-Papa**)

Determining generators' contribution to loads and line flows & losses considering loop flows. S. Abdelkader. *International Journal of Electrical Power & Energy Systems*; Vol 30 (6-7), July-Sept 2008, p.368-375

This paper presents a new method for calculating the individual generators' shares in line flows, line losses and loads. The method is described and illustrated on active power flows, but it can be applied in the same way to reactive power flows.

(To request: email library@energylibrary.org.nz Ref **1008-Abdelkader**)

The pollution flashover on high voltage insulators. Muhsin Tunay Gençoğlu, Mehmet Cebeci. *Electric Power Systems Research*; Vol 78 (11), Nov 2008, p.1914-1921

(To request: email library@energylibrary.org.nz Ref **1008-Tunay**)

Energy storage and the case of energy autonomy, decentralization and efficiency. Proceedings of the Second International Renewable Energy Storage Conference (IRES II), 19 – 21 Nov 2007, World Conference Center, Bonn. Bonn: Eurosolar; World Council for Renewable Energy (WCRE).

Choose from these **selected papers**:

- A. Characterization of magnesium sulfate as thermochemical materials for seasonal heat storage.
- B. Development of a phase change composite material for heat storage.
- C. Irrigation controller using photovoltaic system.
- D. Latest developments in the field of energy storage: Isobaric adiabatic compressed air energy storage combined cycle for off/on-shore wind power storage with a high efficiency factor and high peak power.
- E. New storage materials for thermochemical storage of low temperature solar thermal energy.
- F. Preliminary study on thermal load shift in buildings as a contribution to virtual power plants.
- G. Scalable hybrid power system for decentralized stand-alone AC-grids.
- H. Using energy storage to reduce the carbon footprints of large-scale new-build developments in hot desert climates.

(To receive any of these email library@energylibrary.org.nz Ref: **1008+the relevant letter**).

Comparison of CDMA and OFDM systems for broadband power line communications.

Ma, Y. H. and others. *IEEE Transactions on Power Delivery*; Oct 2008 Vol 23 (4), p.1876-1885
Direct sequence code division multiple access (DS-CDMA) and orthogonal frequency division multiplexing (OFDM) systems are two options for broadband power line communications. In this paper, a comparison is made between the CDMA and OFDM systems. The bit error rate (BER) performance and the optimum overall data rate of the CDMA and OFDM systems are analyzed and compared, using the criteria of the same bandwidth occupation, the same transmission power for each user, the same total number of users in the system and the same power line channel. The comparison is based on the analytical models that are developed and verified by simulations. © 2008 IEEE. Reprinted with permission of the IEEE.

(To request: email library@energylibrary.org.nz Ref **1008-Ma**)

Make electricity...while you exercise - Oct 2008 *Mother Earth News* online [article](#).

Special Topic: Energy Safety



3000 delay raises issues. *Electrolink*; (69) Aug - Sept 2008, p.8-9

Discusses the ramifications of the delay in the development of the new Electricity Safety Regulations.

(For a copy of this article email library@energylibrary.org.nz Ref: **1008-Electrolink**)

The costs of failure: A preliminary assessment of major energy accidents, 1907–2007. B. K. Sovacool. *Energy Policy*; Vol 36 (5), May 2008, p.1802-1820

A combination of technical complexity, tight coupling, speed, and human fallibility contribute to the unexpected failure of large-scale energy technologies. This study offers a preliminary assessment of the social and economic costs of major energy accidents from 1907 to 2007. It documents 279 incidents that have been responsible for \$41 billion in property damage and 182,156 deaths. Such disasters highlight an often-ignored negative externality to energy production and use, and emphasize the need for further research.

(For a copy of this article email library@energylibrary.org.nz Ref: **1008-Sovacool**)

Zap - you're dead. Whitley, Bill. *Consumer*; Nov 2007 (475), p.12-13

The author explains that cheap, unsafe electrical appliances can cause death. He makes recommendations for improving energy safety.

(For a copy of this article email library@energylibrary.org.nz Ref: **1008-Whitley**)

Fear of flashover. Phillips, Jim; Frain, Mike. *IET Power Engineer*; Jun/Jul 2007 Vol 21 (3). p.34-37

It seems that experience is no protection from the dangers of electrical flashover.

(For a copy of this article email library@energylibrary.org.nz Ref: **1008-Phillips**)

Electrical safety: elements of an effective program. Kolak, John J. *Professional Safety*; Feb 2007 Vol 52 (2). p18-24

(For a copy of this article email library@energylibrary.org.nz Ref: **1008-Kolak**)

Electrical arcing hazards. Sweeting, David. *Power Transmission & Distribution*; Aug/Sep 2004, p.18-19

Electrical safety: A guide to the causes and prevention of electrical hazards. (1994).

Adams, J. Maxwell. London: IEE

(To borrow this book email library@energylibrary.org.nz Ref: **1008-Adams**)

Safety Rules Newsletter – This newsletter provides an update on safety topics and safety rules requirements, issues and interpretations. It is available on the Electricity Engineers' Association (EEA) [website](#).

Electricity Supply Industry Workplace Safety Strategy to 2020 – this Aug 2008 EEA “living [document](#)” will be regularly reviewed.

With safety in mind. This Autumn 2008 *Energy NZ* article is about M&O Pacific’s New Plymouth safety training facility for the energy industry. It is available [online](#).

Buncefield Investigation Board publishes 8th report – 15 July 2008 [news](#)

Keep young electrical engineers grounded - Feb 2008 *Consulting-Specifying Engineer* online [article](#).

Energy and Health 2: Electricity generation and health. Sep 15 2007 *Lancet* online [article](#).

Quanta linemen stay safe while working live lines - Aug 2008 *Transmission & Distribution World* online [article](#).



The case of the 120V electrocution mystery. Oct 2007 *EC&M Electrical Construction & Maintenance* online [article](#).

And if you want more on a special topic..... Ask about subscribing to our **Customised Topic Updates** which give regular samplings from the web, our collection and other sources on topics of your choice.

(For info about Customised Topic Updates email library@energylibrary.org.nz **Ref: Topic**)

Reports

Energy Industry Profile: Global, Apr 2008. (28 pages).

This Datamonitor report includes the following sections: Executive summary of the industry; Market overview; Market value; Market segmentation; Competitive landscape; Leading companies in the industry; Market forecasts; Demographics; Further reading.

(To request: email library@energylibrary.org.nz Ref **1008-Datamonitor**)

The value of clean, green business (NBR special report)

National Business Review; Sept 19, 2008 p.38-42. Articles in this 5 page report include:

- Tarred by the greenwash brush
- New Zealand scientists develop new carbon footprinting tool
- Solution seekers don't want to be seen as green
- Renewable energy has serious side-effects
- Saving paper and staff time
- Restrictions put paid to hot air units

(To request: email library@energylibrary.org.nz Ref **1008-NBR**)

Exploring wind-hydro correlation: Report to New Zealand Steel and the Major Electricity Users' Group – 2008 NZIER [report](#).

Australia's low pollution future: The economics of climate change mitigation. The Treasurer and the Minister for Climate Change and Water released this [report](#) on Oct 30th.

A review of the environmental performance of the Electricity Commission 1 July 2006 - 30 June 2007. This [report](#) was released in Sept 2008.

Garnaut climate change review final report. This Australian [report](#) was released in Sept 2008. See also the Energy Networks Association response [here](#).

Electricity restructuring: FERC could take additional steps to analyze regional transmission organizations' benefits and performance. This [report](#) was released in Sept 2008.

Energy on the Web

New Zealand

Feedback sought on draft electricity regulations - 15 Oct [news](#).

Oil and gas industry training centre planned - 25 Oct [news](#).

Compressed air cars coming to NZ - 11 Oct [news](#).

Summary of submissions received on the Draft Electricity Industry Reform Amendment Bill 2007 – this information is on the [MED website](#).

Regulations released for energy and industry in the emissions trading scheme - 13 Oct Ministry for the Environment [media release](#).

World-first charcoal technology breakthrough - 2 Oct [media release](#). See also **Fixing Carbon** ([audio file](#)), a 23 Oct radio interview with the man behind the breakthrough.

Living Planet analysis shows looming ecological credit crunch – 29 Oct [media release](#) with link to the WWF report that states NZ has 6th largest ecological footprint.

Call for submissions on the consultation paper "Responsibility for Retailers' Wholesale Market Obligations" - The Electricity Commission needs [these](#) by 5pm 24 Nov.

The State of the National Grid – These slides from the Patrick Strange (Transpower CEO) presentation at a lunch seminar on 9 Oct are available on the Energy Federation's [website](#).

Large statistical database now free – Statistics New Zealand [media release](#).

Ownership unbundling in electricity distribution: Empirical evidence from New Zealand. Cambridge University Electricity Policy Research Group [paper](#) published in Aug 2008.

Ecolabels and sustainability claims – online MED [directory](#).

Managing organisational carbon emissions - Ministry for the Environment [factsheet](#).



International

EPRI collaborates with utilities to advance plug-in hybrid electric vehicles - Sep 1 *Transmission & Distribution World* [news](#).

Australia plans electric vehicle network – 23 October [news](#).

Biofuel funding moves to newer technologies, says Deloitte - 22 Oct [news](#).

Alternative energy hits the road. Research at WPI explores turning highways and parking lots into solar collectors - Aug 11 [media release](#).

Is cheaper oil a good thing? Oct 10 *Time* [article](#).

Asset-management strategies enable utilities to optimize. *Utility Automation & Engineering T&D* Oct 2008 [article](#).

Meeting the power industry's workforce challenges - Jun 2008 *Power Engineering* [article](#).

ENA response to the Regulatory Impact Statement Consultation Draft – Proposal to Phase-Out Inefficient Incandescent Light Bulbs – 10 Oct ENA [submission](#).

MetaEfficient: A guide to highly optimal things – [website](#).

Women of Wind Energy (WoWE) online Mentoring Program - [website](#).

Conferences and Events

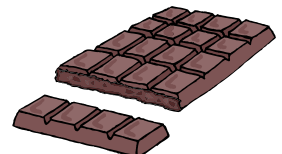
Geothermal Workshop. 11 - 12 Nov and **New Zealand Geothermal Association Seminar.** 13 Nov. More details [here](#).

3rd International Conference on Sustainability Engineering and Science: Blueprints for Sustainable Infrastructure. Auckland, 9 - 12 Dec 2008. More details [here](#).

Fuel for Thought

Congratulations to Michael, the winner of last month's competition. His clever pun about solar panel thefts: "daylight robbery"!

To enter this month's draw for a king size bar of energy chocolate [email us](#) the title of any book that is in the "**Recent books on global energy or environmental problems**" quick click on our online catalogue (if you need help with this or don't have your login for the catalogue [email Tracey](#)). Draw closes 4pm Friday 21st November.



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