

Energy Library Update

June 2008

Welcome to the June issue of the Energy Library Update.

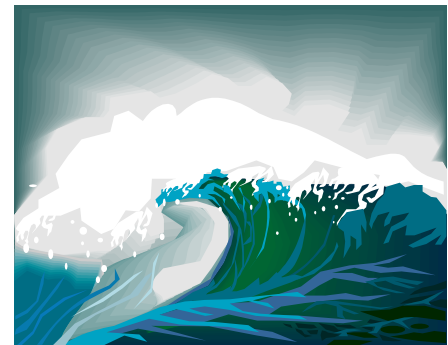
We can supply the resources listed in the Update to our members, for which there may be costs depending on the type of membership.

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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New Items for Loan

Transportation energy data book. (2007) 26th edition. Stacy Davis and Susan W. Diegel. Oak Ridge: Oak Ridge National Laboratory (U.S.)

This is a statistical compendium of data on transportation activity and use in the United States. (To borrow this book email library@energylibrary.org.nz Ref: **0608-Transport**)

Lightning protection guide. (2007) 2nd revised edition. Neumarkt: DEHN + SOHNE

A comprehensive guide by specialists in the field of lightning and surge protection. The guide will be useful to anyone working in this area and coming to grips with the new International Lightning Protection Standards IEC 62035 (part 1-4) or the European EN 62305 standards.

(To borrow this book email library@energylibrary.org.nz Ref: **0608-Lightning**)

We the people: Consenting to a deeper democracy: A guide to sociocratic principles and methods. (2007) Buck. John; Villines, Sharon. Washington, D.C.: Sociocracy. Info

Sociocracy employs consent and collaboration and can create more inclusive and efficient organisations. The authors describe how this type of governance can be achieved.

(To borrow this book email library@energylibrary.org.nz Ref: **0608-Democracy**)

Social marketing: Influencing behaviours for good. (2008) Kotler, Philip; Lee, Nancy R. Los Angeles: Sage Publications

This is a very comprehensive, step-by-step method textbook on an increasingly important subject. Social marketing is defined as the use of marketing principles and techniques to improve the welfare of people and the physical, social and economic environment in which they live. Although the text uses many commercial marketing principles and techniques its aim is to benefit the target audience and society as a whole rather than make a financial profit.

(To borrow this book email library@energylibrary.org.nz Ref: **0608-Social**)

Senior leadership teams: What it takes to make them great. (2008) Ruth Wageman and others. Boston: Harvard Business School Press

This book draws on a study of over 120 top teams from around the world and explains how to create a clear and compelling purpose for your team, get the right people on it, provide structure and support, and sharpen team members' competencies and your own.

(To borrow this book email library@energylibrary.org.nz Ref: **0608-Leadership**)

The speed of trust: The one thing that changes everything. (2006) Stephen M.R. Covey and Rebecca R. Merrill. New York: Free Press

This is an inspiring and empowering book written by the younger Covey to show how greater trust in both our personal and business relationships can produce better results with both more speed and less cost.

(To borrow this book email library@energylibrary.org.nz Ref: **0608-Trust**)

New Energy Efficiency journal

Springer Netherlands has launched a new journal: *Energy Efficiency*. The first issue is available [free online for 2008](#). Articles include:

- Breaking down the silos: the integration of energy efficiency, renewable energy, demand response and climate change
- Feedback on household electricity consumption: a tool for saving energy?

Email [Kat McAra](mailto:Kat.McAra) if you would like to be contacted regarding journal circulation should we decide to take out a subscription to this title in future.

Special Journal Issue

Wind integration: Driving technology, policy and economics (*IEEE Power & Energy magazine*; Vol. 5 No. 6, Nov/Dec 2007). This journal issue contains 6 articles on the application of wind power, including:

- To capture the wind: The status and future of wind energy technology
- Queuing up: Interconnecting wind generation into the power system

(To borrow this whole issue email library@energylibrary.org.nz Ref: **0608-IEEE**)

New Management, Marketing and HR Articles

Using conflict as a catalyst for change. Lehman, Karen; Linsky, Marty. *Harvard Management Update*; Apr 2008, Vol 13 (4), p.3-5, 3p.

The article discusses organizational conflicts as a catalyst for positive results. It gives a list of practices for harnessing conflicts and states that employees should feel safe while expressing their opinion in high-pressure environments. It advises paying attention to dissidents as they can be a source for innovations and suggests that a leader should address issues despite disagreements, in order to avoid compromising the organization's performance.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Lehman**)

Inland Revenue New Zealand: Service design in a regulatory context. McLean, Karyn and others. *Design Management Review*; Winter 2008, Vol 19 (1), p.28-37

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-McLean**)

Stamping authority. MedCalf, Graham. *NZ Marketing Magazine*; Apr 2008, Vol 27 (3), p.37-44 (4p.)

In an interactive and electronic world, is paper-in-the-post still a viable option for marketers?

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Medcalf**)

A life-saving transformation. Alice Taylor. *Employment Today*; Feb/Mar 2008, Issue 126, p.28-30

In the 2002/03 financial year there were 1363 days off due to injury at Transpower. Fast forward to 2006/07 and this number dropped to 91 days. How has this incredible turnaround in safety been achieved?

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Taylor**)

Checkpoints: Electricity. Windsor-Smith, Oscar. *Occupational Safety and Health (RoSPA)*; Jan 2008 Vol 38 (1), p.37-40.

The author identifies the many hazards of using electricity or electric equipment in the workplace. He outlines recommended control measures and refers to relevant U.K. legislation.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Windsor**)

Running just to stand still? Managing CSR reputation in an era of ratcheting expectations. Bertels, Stephanie and Peloza, John. *Corporate Reputation Review*; Spring 2008, Vol. 11 (1), p.56-72

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Bertels**)

Human resource management in the project-oriented company: A review. Martina Huemann and others. *International Journal of Project Management*; Volume 25, Issue 3, April 2007, p.315-323

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Huemann**)

Managing risk and adding value. Montgomery, Robert. *Environmental Finance*; Mar 2008 Volume 9, Number 5. p.34-35

Environmental and social due diligence can add value to project developers and investors.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Montgomery**)

Changing business culture: The hardest part of asset management. Ray Yep. *American Water Works Association Journal*; Vol 100 (1) Jan 2008, p.24-26 (3p.)

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Yep**)

New Energy and Environment Articles

What price growth? Hallett, Adelia. *New Zealand Management*; Jun 2008, Vol. 55 Issue 5, p.48-50

The article discusses sustainable development and economic growth of a nation, particularly New Zealand. It offers an overview of the depletion of natural resources, including fuel sources. The vice-president of the Intergovernmental Panel on Climate Change, Sri Lankan Mohan Munasinghe, is warning that "barbarisation" was the likely outcome of a climate-changed world. Green Party Member of Parliament Nandor Tanczos believes that constant economic growth is not possible in a finite planet.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Hallett**)

NBR Special Report: Environment, management and sustainability. *National Business Review*; May 30th 2008, p.39-43

Articles in this report include: Greening the supply chain; Wood fuel gets big tick; Greening your business hothouse style; Solar power generation unwanted.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-NBR**)

Design at the sustainability frontier. McDowall, Ron. *E.NZ magazine*; May/June 2008 Vol 9/3. p.43-44.

Sustainability is steaming towards us, ready or not. Ron McDowall challenges the current idea of what sustainability really means within the business context and discusses the dangers and implications of current business as usual practices.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Ron**)

Explaining consumers' willingness to be environmentally friendly. Abdul-Muhmin, Alhassan G. *International Journal of Consumer Studies*; May 2007, Vol. 31 Issue 3, p.237-247

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Abdul**)

Exploring new models of solar energy development. Peter Asmus. *The Electricity Journal*; Vol 21 (3), Apr 2008, p.61-70

The era of the highly centralized systems such as our current electricity grid may be coming to an end. It's time for citizens to get familiar with new concepts like "community solar" and "solar safety net."

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Asmus**)

Turbines go sky high. Brooks, Michael. *New Scientist*; 5/17/2008, Vol. 198 Issue 2656, p.38-41

According to the author, kites as renewable energy generators are the way of the future for wind technology as they are more efficient than their land-based counterparts.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Brooks**)

Research and ideas. *Energy Design Update*; Vol. 28 Issue 3-March 2008 p.12-14, 3p.

The article presents research and ideas about payback calculations for solar water heating systems.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Solar**)

Australian and New Zealand untapped biotechnology opportunities. Muralitharan, Morley. *Asia Pacific Biotech News*; 8/30/2005, Vol. 9 Issue 16, p.766-768 (3p.)

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Morley**)

Unilateral trade measures to combat climate change: A biofuels case study. Puddle, Kerry. *New Zealand Journal of Environmental Law*; 2007 Volume 11, p.99-140.

A ban on the importation of unsustainably produced biofuels could be a violation of New Zealand's GATT obligations.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Puddle**)

Towards a sustainably certifiable futures contract for biofuels. John A. Mathews. *Energy Policy*; Volume 36, Issue 5, (May 2008), p.1577-1583

How are biofuels to be certified as produced in a sustainable and responsible fashion? In the global debate over this issue, one party to the proceedings seems rarely to be mentioned—namely the commodities exchanges through which a global biofuels market is being created. In this contribution, I propose a solution to the problem of sustainability certification through a biofuels futures contract equipped with 'proof of origin' documentation. The proposal does not call for any radical break with current practice, extending existing certification procedures with a requirement for the vendor to provide documentation, probably in barcoded form, of the history of the biofuel offered for sale, including plantation and biorefinery where the biofuel was produced and subsequent blendings it may have undergone. The proposal is thus compatible with the blending practices of large global traders, whose activities are the source of the difficulties of other approaches to certification. It is argued that if such a sustainable futures contract for bioethanol (in the first instance) were to be introduced, then it would likely trade at a premium and become the primary vehicle for North–South trade in biofuels.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Mathews**)

Biomass in the manufacture of industrial products—the use of proteins and amino acids. Scott, Elinor and others. *Applied Microbiology & Biotechnology*; Jun 2007, Vol. 75 Issue 4, p.751-762

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Scott**)

Biomass for energy or materials?: A Western European systems engineering perspective. D. J. Gielen and others. *Energy Policy*; Vol 29 (4), March 2001, p.291-302

This paper discusses an assessment of the optimal use of biomass in Western Europe for the long term (2010–2030) for reducing greenhouse gas emissions. The assessment is based on a linear programming model for the Western European energy and materials system, called MARKAL MATTER 4.2. The goal of the study was the comparison of the cost-effectiveness and the interactions between bioenergy, biomaterials and afforestation strategies in comparison to other greenhouse gas emission reduction strategies. The results suggest that the use of biomass for energy and materials applications will increase by up to 200 Mt (compared to the case with no permit price) if greenhouse gas policies are introduced. The main increase occurs in the production of transportation fuels and substitution of petrochemical feedstocks and electricity generation from waste and residues. Afforestation offers a cost-effective competing land-use strategy. The total contribution of biomass strategies is an emission reduction of up to 400 Mt CO₂ equivalents (9% of 1990 emissions).

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Gielen**)

Integrating global environmental concerns into urban management. Xuemei Bai. *Journal of Industrial Ecology*; Spring 2007, Vol 11 (2), p.15-29

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Bai**)

Defining sustainable energy. D. Acres. *Institution of Civil Engineers. Proceedings – Energy*; Vol 160, (EN3), August 2007, p.99-104

The terms sustainability and sustainable energy are constantly referenced in energy policy discussions and the climate change debate. However, there is no single definition of sustainable energy. Instead, there is a wide range of interpretations. This lack of a common framework is at the root of many arguments over the sustainability (or otherwise) of energy technologies or policies. This paper examines possible approaches to defining sustainable energy. It puts forward a working set of principles for assessing the relative sustainability of options for energy supply and use and identifies areas of continuing debate that should be a priority for further attention. [Abstract supplied with permission from Thomas Telford: http://www.ice.org.uk/services/services_journals.asp]

For a copy of this article email library@energylibrary.org.nz Ref: **0608-Acres**)

Global warming and the neglected greenhouse gas: A cross-national study of the social causes of methane emissions intensity, 1995. Jorgenson, Andrew K. *Social Forces*; Mar 2006, Vol. 84 Issue 3, p.1779-1798

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Jorgenson**)

Carbon capture retrofits and the cost of regulatory uncertainty. Reinelt, Peter S. and Keith, David W. *Energy Journal*; Vol. 28, Issue 4 (2007), p.101-127

Power generation firms confront impending replacement of an aging coal-fired fleet in a business environment characterized by volatile natural gas prices and uncertain carbon regulation. We develop a stochastic dynamic programming model of firm investment decisions that minimizes the expected present value of future power generation costs under uncertain natural gas and carbon prices. We explore the implications of regulatory uncertainty on generation technology choice and the optimal timing of investment, and assess the implications of these choices for regulators. We find that interaction of regulator, uncertainty

with irreversible investment always raises the social cost of carbon abatement. Further, the social cost of regulatory uncertainty is strongly dependent on the relative competitiveness of IGCC plants, for which the cost of later carbon capture retrofits is comparatively small, and on the firm's ability to use investments in natural gas generation as a transitional strategy to manage carbon regulation uncertainty. Without highly competitive IGCC or low gas prices, regulatory uncertainty can increase the expected social cost of reducing emissions by 40 to 60%. Abstract © <https://www.iaee.org/en/publications/ejsearch.aspx?user=guest>
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Keith**)

Emsland KA26 power plant: High efficiency with flexibility. Oliver Then. *Modern Power Systems*; Mar 2008, Vol. 28 Issue 3, p.13-19
This article discusses aspects of the planning of the KA26 combined cycle power plant in Emsland, Germany. Features of the facility's Alstom GT26 gas turbines are described.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Then**)

Optimizing existing-building energy efficiency. David Clark. *Heating/Piping/Air Conditioning Engineering: HPAC*; Jan 2008. Vol. 80, (1), p.36-38,40-41
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Clark**)

Energy productivity improvements and the rebound effect: An overview of the state of knowledge. John Dimitropoulos. *Energy Policy*; Vol 35 (12) Dec 2007, p.6354-6363
The 'rebound effect' from more efficient use of energy has been well investigated, with plenty of evidence suggesting that the 'direct' rebound effect is relatively small for most energy services—typically less than 30%. However, the same conclusion may not apply to 'indirect' and 'economy-wide' rebound effects. Here, several authors suggest that improved energy efficiency may increase energy consumption in the medium to long term, a view that undermines the rationale for energy efficiency as an instrument of climate-related energy policy and has been ardently debated. One of the main reasons behind the debate is the lack of a rigorous theoretical framework that can describe the mechanisms and consequences of the rebound effect at the macro-economic level. Proponents of the rebound effect point to 'suggestive' evidence from a variety of areas including economic history, econometric measurements of productivity and macro-economic modelling. This evidence base is relatively small, highly technical, lacks transparency, rests upon contested theoretical assumptions and is inconclusive. This paper provides an accessible summary of the state of knowledge on this issue and shows how separate areas of research can provide relevant insights.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Dimitro**)

An enlightened approach to budgeting and goal setting for the energy manager. John Avina. *Energy Engineering*; 2008. Vol. 105, (2), p.47-58
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Avina**)

Reconciling cost, efficiency and quality in lighting. Aston, John. *Energy World (Energy Institute)*; Mar 2008 358. p.18-19.
The author takes a philosophical look at lighting - its effects on people as well as a significant user of energy.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Aston**)

Time series analysis-based adaptive tuning techniques for a heaving wave energy converter in irregular seas. Yavuz, H. and others. *Institution of Mechanical Engineers (IMECHE) Proceedings Part A Journal of Power and Energy*; Feb 2007 Vol 221 (A1), p.77-90

The paper presents a time domain model of a heaving buoy wave-energy converter and investigates the tuning problem in irregular seas. The tuning issue is addressed by employing both fixed (passive) and adaptive (active) power-take-off settings. The fixed power-take-off tuning approach includes models based on tuning the device natural frequency to either the energy frequency or peak frequency of the sea-state or a weighted average of several peak frequencies. The adaptive tuning approaches employ a sliding discrete Fourier transform frequency analysis, or a time-series analysis of the measured wave elevation and device velocity to estimate a localized dominant wave frequency and hence calculate power-take-off settings. The paper presents details of these tuning techniques by discussing issues related to the modelling, simulation, and predicted power captures for each method. A comparative study of each method along with practical implications of the results and recommendations are also presented.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Yavuz**)

Tidal energy resource assessment for tidal stream generators. L. S. Blunden and A. S. Bahaj. *Proceedings of the Institution of Mechanical Engineers.: Part A Journal of power and energy*; Mar 2007. Vol 221 (A2), p.137-146

This article is a review of the current understanding of tidal energy resources in the context of the emerging technology of tidal stream power generation. The geographical focus is on the north-west European continental shelf, the scope of a number of published reports on exploitable tidal stream energy resources. These estimates are reviewed as are some analytical models of energy extraction by tidal stream generators.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Blunden**)

Optimum design of hybrid solar-wind-diesel power generation system using genetic algorithm. Wei, Zhou and others. *Hong Kong Institution of Engineers, Transactions*; Dec 2007 Vol 14 (4). p.82-89

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Wei**)

Allocation decisions in network industries. Friedel Bolle. *Energy Economics*; Volume 30, Issue 1, (January 2008) p.97-112

In this paper, I want to propagate a new analytical tool: The usage of Menu Auctions for modelling complicated auctions, negotiations, rent seeking, etc. is advocated, because, contrary to "normal" auctions and bargaining models, an arbitrary number of additional aspects can be taken into account. After concentrating on "Truthful Equilibria" [Bernheim, B.D., Whinston, M.D., 1986. Menu auctions, resource allocation, and economic influence, *Quarterly Journal of Economics*, 1-31.] a certain broad class of Menu Auctions show unique and efficient allocations. Under an additional concavity condition even the equilibrium bids are unique. Two examples are discussed: the privatisation of a state-owned industry and the buying of wholesale electricity (concluding contracts with a number of producers) by a utility. These examples also serve to trace the sources of "non-concavities" which can prevent the uniqueness of bids and can provide the auctioneer with incentives to exclude bidders from the competition.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Bolle**)

Integrating renewable energy sources into European grids. T.J. Hammons. *International Journal of Electrical Power & Energy Systems*; Article in Press (2008)

This paper examines the integration of new sources of renewable energy into the power systems in Europe—challenges and possible solutions, application of wind power prediction tools for power system operation, new tasks that create new solutions for communication in distribution systems, wind power in Greece, integration of dispersed generation in Denmark, wind power in The Netherlands, EdF and distributed energy resources in France, and new renewable sources in Italy. The paper also examines the European Commission Technology Platform’s vision paper on Electricity Networks of the Future that was published in January 2006. In this respect, drivers towards Smart Grids, Grids today, and key challenges for Smart Grids of the Future are critically assessed.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Hammons**)

Simulation of the ice accretion process on a transmission line cable with differential twisting. Ping Fu, Masoud Farzaneh. *Canadian Journal of Civil Engineering*; Vol. 34 (2) Feb 2007, p.147-155

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Fu**)

Component view [Maintenance: turbines]. Al-A'ali, Mansoor. *IET Power Engineer*; Jun/Jul 2007 Volume 21 Issue 3. p.42-45.

By digging deeper inside a gas turbine and looking at component level maintenance it is possible to increase the ability to predict and manage failures.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Mansoor**)

Improving cooling water systems with innovative materials. Berthelsen, Peter G. *HRW: Hydro Review Worldwide*; Nov 2007 vol 15 (5). p.22-24,26,28-29.

This article describes how staff dealt with the challenge of corrosion in cooling water systems pipes at the Wivenhoe pumped-storage plant in Australia. Innovative polymer-based materials were used to successfully resolve the problem.

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Berthelsen**)

Method for effects evaluation of some forms of power transformers preventive maintenance. V. Mijailovic. *Electric Power Systems Research*; Vol 78 (5) May 2008, p.765-776

(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Mija**)

Transformer health: Time for a check up? *Power Engineering International* [article](#).

Storage boosts the power of renewable energy – *Renewable Energy World* [article](#).

Biofuels: The good, the bad and the unusual – *Renewable Energy World* [article](#) by Ralph Sims, International Energy Agency.

Are compact fluorescent bulbs a fire hazard? – *Green Guide* [article](#).

Special Topic: Energy conservation / Energy behaviour

What people do when they say they are conserving electricity. James Woods
Energy Policy; Volume 36, Issue 6, (June 2008) p.1945-1956
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Conservation1**)

13 Tips from ENERGY STAR® schools. Bill Wiseheart and Thomas H. Durkin. *ASHRAE Journal*; May 2008. p. 14 (7 pages)
(For a copy of this article email library@energylibrary.org.nz Ref: **0608- Conservation2**)

Household energy consumption and consumer electronics: The case of television.
Tracey Crosbie. *Energy Policy*; Vol 36 (6) June 2008, p.2191-2199
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Conservation3**)

Elster teams with utility champions: Meeting Ontario's smart metering energy conservation goals. Robertson, Jack. *Metering International*; (1) 2008. p.20-22.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608-Conservation4**)

Reducing greenhouse gas emissions by inducing energy conservation and distributed generation from elimination of electric utility customer charges. J.M. Pearce and P.J. Harris. *Energy Policy*; Vol 35 (12), Dec 2007 p.6514-6525
(For a copy of this article email library@energylibrary.org.nz Ref: **0608- Conservation5**)

Towards a contemporary approach for understanding consumer behaviour in the context of domestic energy use. Adam Faiers and others. *Energy Policy*; Volume 35 (8) August 2007, p.4381-4390.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608- Conservation6**)

Residential energy behaviour: Does generation matter? Annika Carlsson-Kanyama and others. *International Journal of Consumer Studies*; May 2005, Vol. 29 Issue 3. p.239-253.
(For a copy of this article email library@energylibrary.org.nz Ref: **0608- Conservation7**)

Efficiency and conservation: An interview with Andy Rudin. Rudin, Andrew
Energy & Environment; Vol 15 (6) 2004, p.1085-1092
(For a copy of this article email library@energylibrary.org.nz Ref: **0608- Conservation8**)

Science.gov: Energy conservation – [website](#) of (mostly) US Dept of Energy resources

Energy efficiency, conservation and margins: Catch 22 rate design? Fall 2007 [article](#).

Optimizing energy conservation in today's plants - Feb 2008 [article](#).

Reports

Coal & consumable fuels industry profile: Global. (2008). London: Datamonitor
A 30-page industry overview containing statistics, market overview, market forecasts etc.
(For a copy of this report email library@energylibrary.org.nz Ref: **0608-Coal**)

Oldies and Goodies

Hydroelectric pumped storage technology: International experience. (1995). New York: American Society of Civil Engineers (ASCE)
(To borrow: email library@energylibrary.org.nz Ref: **0608-Oldie1**)

Civil engineering guidelines for planning & designing hydroelectric developments. Volume 5: Pumped storage and tidal power. (1989). New York: American Society of Civil Engineers (ASCE)
(To borrow: email library@energylibrary.org.nz Ref: **0608-Oldie2**)

Energy on the Web

New Zealand

\$12.3 Billion investment benefit from emissions trading – [news](#) and reports.

Biofuel Bill (148-2) - 23 June 2008 [report](#).

New Zealand efficient lighting strategy 2008 to 2010 (2008) Wellington: Efficient Lighting Group (ELG) – [report](#).

The sustainability of Brazilian sugarcane bioethanol: A literature review. Prepared for: Energy Efficiency and Conservation Authority (EECA). This 2008 report is available [online](#).

Reject fruit eyed for biofuels, adhesives - June 2008 [news](#).

Market warming to cheaper solar panels - June 2008 [news](#).

Wave power: NIWA and Industrial Research check out prototype wave energy generator in Wellington Harbour – June 2008 Radio NZ [audio file](#).

International

Biomaterials increasingly driving investment interest - June 2008 [news](#).

Animated demo of hot fractured rock (HFR) energy extraction – View [here](#).

Five trends to watch in the renewable energy industry - March 2008 [news](#)

Pacific Gas and Electric Company rewards customers for efficiency - [news](#).

Solar consolidation could happen this year - May 2008 [news](#).

Transmission access review – June 2008 [report](#) from Ofgem and BERR.

Energy Export Databrowser – oil and gas statistics [website](#).

“How to” manual: Small scale wind energy systems – Leonardo Energy [publication](#).

Scottish Government to offer world's largest ever single prize for innovation in marine renewable energy - April 2008 [news](#).

McCain to pledge \$300m for green car - June 2008 [news](#).

Why are so many weathercasters climate 'skeptics'? – June 2008 Yale forum [article](#).

Conferences and Events

Where Science Can Take Our Energy Future: Results from EnergyScape

Stakeholder Meeting hosted by Energy Federation of New Zealand. 16 July 2008, Wellington
See Energy Federation [website](#) for details.

Energy Link's Electricity and Gas Market courses

- Introduction to the Gas Market: Mon 21 July, Wellington
- Introduction to the Electricity Market: Tue 22 July, Wellington
- Nodal Pricing of Electricity: Wed 23 July, Wellington
- Hedging Electricity: Thur 24 July, Wellington

For more information see [website](#).

Fuel for Thought

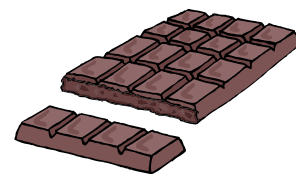
With all the doomsday scenarios being bandied about it's nice to break the tension with a good laugh. Take a look at Jon Bridges' light-hearted suggestions on power saving in **Throwing in the towel rail** (*Listener* [article](#)).

Talking of humour, here is the **winning joke from last month's competition**, won by Ross.

Q. How many Californians does it take to change a light bulb?

A. Two - one to call an electrician and one to share the experience.

June Energy chocolate competition: Just [email](#) us the name of the Minister of Petroleum and Mineral Resources in Saudi Arabia. Draw closes 4pm Friday 18th July 2008.



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