

Energy Library Update

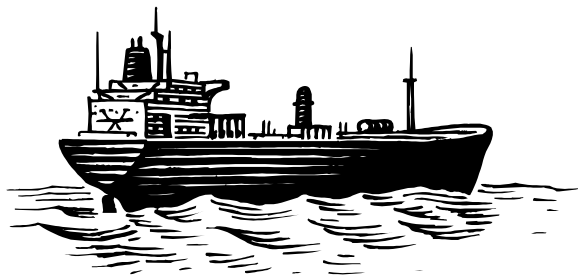
Feb 2009

This month we welcome our new Library Assistant, Georgie to the Energy Library team. Laura is working reduced hours while she undertakes some study and Tracey is on maternity leave, so we are very pleased to have Georgie on board.

The resources listed in the Update are just a sample of what we have available in our collection. There is no charge for items for members who have Open Access membership. To request an item just [email us](#) the title or reference code.

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

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New Items for Loan

Profiting from clean energy: A complete guide to trading green in solar, wind, ethanol, fuel cell, power efficiency, carbon credit industries, and more.

Asplund, Richard W. Hoboken, N.J.: Wiley, 2008

This book provides a complete guide for investors on how to profit from the fast growing clean energy sector. The author analyses investment opportunities in bio-fuels/ethanol, solar power, wind power, fuel cells, geothermal, clean fossil fuel technologies, and power efficiency.

(To borrow this book email library@energylibrary.org.nz Ref: **0209-Loan1**)

Living green: The New Zealand handbook for an eco-friendly, toxin-free, sustainable life. Kane, Annmaree and Neubert, Christina. Auckland: New Holland, 2008

The authors have provided an "all-in-one" reference guide on how to live an eco-friendly, toxin-free sustainable way of life. Part One of the book gives 10 simple steps to greening your life. Part Two contains 21 chapters that provide the factual back-up behind each of the 10 steps, and in doing so covers a comprehensive spectrum of ecological issues, all of which are tailored to New Zealand readers.

(To borrow this book email library@energylibrary.org.nz Ref: **0209-Loan2**)

The investor's guide to geothermal energy: How to capitalize on the heat beneath your feet. (2008). Eggl, Birgit; Sametinger, Kai. Freiburg: FORSEO

We asked Brian White, Executive Officer of the New Zealand Geothermal Association to review this book for our members:

The Energy Library asked me to read and review FORSEO's "The Investor's Guide to Geothermal Energy" several months ago. I have been reluctant to return it knowing there is more gold to be extracted from its pages.

The Guide comes at the right time in that it captures a range of policy and development initiatives across a wide range of countries just as the value of geothermal investment is being recognised more widely by Governments and investors. To quote one analyst, Mark Taylor "The industry is on the cusp of what could be an extraordinary growth period." From an historical perspective it acts as a snapshot of geothermal investment in this transitional time. The book does cover geothermal systems and technology in a simple way for the lay reader. An expert might feel uncomfortable with the degree of simplification at times, but the book achieves a goal of making a link between the geothermal resource and potential investors.

The Investor's Guide is set out in a logical fashion but with suitably placed inserts giving pithy developers' accounts or more detailed insights. Thus it can be read in blocks or just in snatches during a busy day.

This is not the book to read if you are after the latest insights into New Zealand development, though we are regularly mentioned through its pages. The New Zealand treatment may reflect the author's selective treatment of any country covered. However, as New Zealand investors and financiers read this Guide, they will be made aware of a wider range of financing options than currently appear to be available here, and possibly of other offshore financing interests to tap. If this does help to broaden options for finance for potential New Zealand investors then it will be particularly useful.

Brian White
Executive Officer
New Zealand Geothermal Association

(To borrow this book email library@energylibrary.org.nz Ref: **0209-Loan3**)

Enjoy! 101 ways to add fun to your work every day. G. Scott. American Management Association. New York: Amacom, 2008

Most of us spend more than a third of our lives at work and an ever increasing number of us spend longer hours at work leading to serious work related stress. This book provides inspiring tips on how to: change your attitude so you have more fun, bring humour and laughter to the workplace, use relaxation exercises to help you ease tension during the work day, pinpoints what you most appreciate about your job, uses fantasy and visualization to conquer boredom and rethinks your work goals to avoid frustration and feeling stuck.

(To borrow this book email library@energylibrary.org.nz Ref: **0209-Loan4**)



Project management that works: real-world advice on communicating, problem solving, and everything else you need to know to get the job done. R.A. Morris and B.M. Sember. New York: American Management Association, 2008

A practical guide to the fundamentals of good project management. This book will be of value to both new and experienced project managers and has real life examples on how to improve skills and procedures in managing projects.

(To borrow this book email library@energylibrary.org.nz Ref: **0209-Loan5**)

IEC TR 61400-24: Wind turbine generator systems - Part 24: Lightning protection. (2002)

(To borrow this standard email library@energylibrary.org.nz Ref: **0209-Loan6**)

AS 2067: 2008 Substations and high voltage installations exceeding 1 kV a.c.

Standards Australia, 2008

(To borrow this standard email library@energylibrary.org.nz Ref: **0209-Loan7**)

Standards News

Standards New Zealand invites public comment on the following draft standards/amendments.

Free download versions of the drafts and closing dates can be found on their [website](#).

- Acoustics - Wind farm noise. (Choose the *Public comment* tab on the website).

On the website click on the *Public Comment* tab and select *Joint Draft Standards* for these:

- Amendment 1 to AS/NZS 3000 Electrical installations (known as Australian/New Zealand wiring rules).
- Electromagnetic compatibility (EMC) Part 2.14: Environment - Overvoltages on public electricity distribution networks.
- Electromagnetic compatibility (EMC) Part 2.4: Environment - Compatibility levels in industrial plants for low-frequency conducted disturbances.

Special Journal Issues

Transmission Investment, Pricing, and Construction (*IEEE Transactions on Power Systems*; Vol 22/4, Nov 2007). The special section in this issue contains 14 articles including:

- Economic criteria for planning transmission investment in restructured electricity markets
- Market-based coordination of transmission and generation capacity planning
- An Aumann-Shapley approach to allocate transmission service cost among network users in electricity markets

(To borrow this whole issue email library@energylibrary.org.nz Ref: **0209-Loan8**)

Excellence in teaching & learning for project management. *International Journal of Project Management* (Vol 26 No.7 Oct 2008). This special issue contains 11 articles including:

- Outcome-based project management education for emerging leaders - A case study of teaching and learning project management
- Rethinking project management education: Social twists and knowledge co-production

(To borrow this whole issue email library@energylibrary.org.nz Ref: **0209-Loan9**)

New Management, Marketing and HR Articles

How GE teaches teams to lead change. Prokesch, Steven. *Harvard Business Review*; January 2009, Vol 87 (1), p.99-106

In 2006, General Electric launched its Leadership, Innovation, and Growth (LIG) program to support CEO Jeffrey Immelt's priority of achieving corporate growth primarily by expanding businesses and creating new ones. LIG represented a radical approach for GE's famed management development center in Crotonville, New York because it was the first effort to train all the senior members of a GE business's management team as a group. Prokesch went through LIG with 19 senior managers of GE Power Generation, one of the company's oldest businesses, in October 2007. About a year later he revisited the "turbine heads" to see how much impact the program had made. The answer was a lot.

(To request: email library@energylibrary.org.nz Ref: **0209-Prok**)

Mergers and acquisitions as a response to the deregulation of the electric power industry: Value creation or value destruction? Becker-Blease, John R. and others. *Journal of Regulatory Economics*; Feb 2008, Vol 33 (1), p.21-53

(To request: email library@energylibrary.org.nz Ref: **0209-Becker**)



How to sell yourself -- carefully. Krattenmaker, Tom. *Harvard Management Update*; Jan 2009, Vol 14 (1), p.3-4

The article focuses on ways how employees can advertise the value they deliver to a company without putting others off. Pieces of advice from author Peggy Klaus and Ann Mah of the American Business Women's Association are included. Mah encourages employees to use action and words to convince others of the values they deliver. Klaus discusses the complications of self-promotion, the proper time to celebrate success, and handling compliments and accomplishments.

(To request: email library@energylibrary.org.nz Ref: **0209-Kratten**)

An empirical examination of posttraining on-the-job supplements for enhancing the effectiveness of interpersonal skills training. Tews, Michael J. and Tracey, J. Bruce. *Personnel Psychology*; Summer 2008, Vol 61 (2), p.375-401

(To request: email library@energylibrary.org.nz Ref: **0209-Tews**)

How top talent uses networks and where rising stars get trapped. Rob Cross and Robert J. Thomas. *Organizational Dynamics*; April-June 2008, Vol 37 (2), p.165-180

(To request: email library@energylibrary.org.nz Ref: **0209-Cross**)

Perceived job insecurity, job predictability, personality, and health. Lau, Bjorn and Knardahl, Stein. *Journal of Environmental Medicine (JOEM)*; Feb 2008, Vol 50 (2), p.172-181
(To request: email library@energylibrary.org.nz Ref: **0209-Lau**)

Project management of unexpected events. Anders Söderholm. *International Journal of Project Management*; January 2008, Vol 26 (1), p.80-86
Unexpected events and environmental impact not planned for are common during project implementation. This article explores how unexpected events are dealt with in projects using qualitative case study data from four different cases. Results show four different approaches to deal with unexpected events: innovative action, applying detachment strategies, setting up intensive meeting schedules and negotiating project conditions are common approaches to deal with the unexpected events. The discussion sheds new light on common situations during project execution – i.e. dealing with unexpected events – that is not normally included in the best practice models of project management.
(To request: email library@energylibrary.org.nz Ref: **0209-Anders**)

Positive deviance on the ethical continuum: Green Mountain Coffee as a case study in conscientious capitalism. Neville, M. *Business & Society Review*; Winter 2008, Vol 113 (4), p.555-576
(To request: email library@energylibrary.org.nz Ref: **0209-Neville**)

The concept of participatory market orientation: An organisation-wide approach to enhancing brand equity. Nicholas Ind and Rune Bjerke. *Journal of Brand Management*; Nov 2007, Vol 15 (2), p.135-145
(To request: email library@energylibrary.org.nz Ref: **0209-Ind**)

New Energy and Environment Articles

The bell tolls for hydrocarbons: What's next? Cudahy, Richard D. *Energy Law Journal*; 2008, Vol 29 (2), p.381-396
The author ponders the similarities and differences between the twin challenges of peak oil and climate change which will both result in a severe limitation on fossil fuels as a source of energy.
(To request: email library@energylibrary.org.nz Ref: **0209-Richard**)

Assessing mitigation-adaptation scenarios for reducing catastrophic climate risk. Settle, Chad and others. *Climatic Change*; Aug 2007 Vol 83 (4), p.443-456
(To request: email library@energylibrary.org.nz Ref: **0209-Chad**)

Survey shows mixed opinions on climate change among AEC industry professionals. *Building Design & Construction*; Nov 2008, Green Buildings & Climate, p.8-16
Presents the findings of a survey of architecture, engineering and construction (AEC) professionals.
(To request: email library@energylibrary.org.nz Ref: **0209-Survey**)



Austin climate protection plan "possibly the most aggressive city greenhouse-gas reduction plan". Norman K. Muraya. *Energy Engineering*; 2008, Vol 105 (2), p. 32-46
(To request: email library@energylibrary.org.nz Ref: **0209-Norman**)

On emission permit auction vs. allocation and the structural adjustment of incumbent power generators in Australia. Paul Simshauser. *The Electricity Journal*; Dec 2008, Vol 21 (10), p.30-41

A one-time partial allocation of permits would not impair the economic efficiency of the emissions trading scheme, would not have the effect of redirecting existing government expenditures, would minimize transaction costs, and most importantly, would help ensure power system stability throughout this major microeconomic reform.
(To request: email library@energylibrary.org.nz Ref: **0209-Paul**)

Carbon emission offsets for aviation-generated emissions due to international travel to and from New Zealand. Inga J. Smith and Craig J. Rodger. *Energy Policy*; 2009 [Article in Press, Corrected Proof]
(To request: email library@energylibrary.org.nz Ref: **0209-Inga**)

Carbon scrubbers: taking CO2 out of the air. Kunzig, Robert and Broecker, Wallace. *New Scientist*; 1/10/2009, Vol 201 (2690), p.34-37
(To request: email library@energylibrary.org.nz Ref: **0209-Kunzig**)

Estimation method on the battery state of charge for hybrid electric vehicle. Qiang, J. and others. *Chinese Journal of Mechanical Engineering* (English edition); Jun 2008, Vol 21 (3), p.20-25
(To request: email library@energylibrary.org.nz Ref: **0209-Qiang**)

A model for setting and validating sale prices of an electricity trader by means of load shifts. L. Coslovich and others. *International Journal of Energy Sector Management*; 2008. Vol 2 (3), p. 351-367
(To request: email library@energylibrary.org.nz Ref: **0209-Coslo**)

Efficient pricing for European electricity networks -- The theory of nodal pricing applied to feeding-in wind in Germany. F. Leuthold and others. *Utilities Policy*; Dec 2008, Vol 16 (4), p.284-291

This paper applies nodal pricing as an economic approach to efficient use of electricity networks utilization for the fairly large German grid. We combine a straightforward welfare maximization with the technical specificities of electricity flows on a realistically large network. The nodal pricing model is applied in order to analyze the impact of extended German wind power production on the power grid. The paper shows that economic modeling, taking into account physical and technical constraints, make important contributions to the assessment and optimization of system configuration and operation.

(To request: email library@energylibrary.org.nz Ref: **0209-Leu**)

[Market Survey: Renewable Energy]: A chill wind blowing. McCabe, Jess. *Environmental Finance*; Dec 2008-Jan 2009, Vol 10 (3), p.30-32

The renewable energy sector was late to feel the cold hand of the credit crisis - but financiers and REC traders are braced for a chillier 2009. The author talks to the renewable energy winners of Environmental Finance's Market Survey.

(To request: email library@energylibrary.org.nz Ref: **0209-Jess**)

Interaction of renewable energy policy and CO2 emission control policy: Case study.

Su, Ming-Shan and others. *Journal of Energy Engineering*; Jun 2008 Vol 134 (2), p.63-70

Cost-effective policy on renewable energy could be made based on information of renewable energy industry development and carbon dioxide control strategy. To analyze the interaction of renewable energy policy with CO2 control strategy, we developed a recursive linear planning model. The year 2004 is set as the base year. The target years are 2015, 2025, 2035, and 2045. Fujian province in China is selected as a case for the study. Calculation results show that in some instances, renewable energy subsidy policy and clean development mechanism incentive could not drive the market as policy makers expected. Careful design is required for renewable energy policy and carbon dioxide control policy, especially for developing countries. This study shows that a recursive linear program could be applied to an integrated study of renewable energy policy and carbon dioxide control policy.

(To request: email library@energylibrary.org.nz Ref: **0209-Su**)

Issues in renewable energy education. Chacko Thomas; Philip Jennings and Bob Lloyd. *Australian Journal of Environmental Education*; 01/07/2008, Vol 24, p.67-73

The authors of this article should know what they are talking about. Bob Lloyd is Director of Energy Studies, University of Otago while the other two authors are affiliated with Physics and Energy Studies at Murdoch University in Perth.

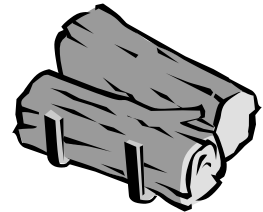
(To request: email library@energylibrary.org.nz Ref: **0209-Lloyd**)

Low-cost biomass electricity: more wires or more traffic? Everett, R. and Billington, I. *Institution of Civil Engineers. Proceedings - Energy*; Feb 2008, Vol 161 (EN1), p.31-36

Given the construction of a new wood-fired power station in Scotland and the recent refusal of planning permission for one in Devon, the impacts of such plants need consideration. This paper attempts to answer a simple question: 'if least-cost options are to be pursued, will an expansion of UK electricity generation from energy crops require strengthening of the electricity grids or will it involve more physical transport of fuel?'...[Abbreviated abstract] Abstract reprinted with the permission of Thomas Telford Limited:

http://www.ice.org.uk/services/services_journals.asp

(To request: email library@energylibrary.org.nz Ref: **0209-Bill**)



Site specific method for determining the most financially feasible project size.

Lavender, S. Thomas and Donnelly, Richard C. *HRW: Hydro Review Worldwide*; Mar 2007 Vol 15 (1), p.34, 36-40

(To request: email library@energylibrary.org.nz Ref: **0209-Thomas**)

Sun + Water = Fuel – This November 2008 *Technology Review* article is available [online](#).

System-level energy efficiency is the greatest barrier to development of the hydrogen economy. Shannon Page and Susan Krumdieck. *Energy Policy*; 2009 [Article in Press, Corrected Proof]

Current energy research investment policy in New Zealand is based on assumed benefits of transitioning to hydrogen as a transport fuel and as storage for electricity from renewable resources. The hydrogen economy concept, as set out in recent commissioned research investment policy advice documents, includes a range of hydrogen energy supply and consumption chains for transport and residential energy services. The benefits of research and development investments in these advice documents were not fully analyzed by cost or improvements in energy efficiency or green house gas emissions reduction. This paper sets out a straightforward method to quantify the system-level efficiency of these energy chains...[abstract abbreviated].

(To request: email library@energylibrary.org.nz Ref: **0209-Susan**)

Learning-by-doing and the optimal solar policy in California. van Benthem, Arthur and others. *Energy Journal*; 2008, Vol 29 (3), p.131-151

(To request: email library@energylibrary.org.nz Ref: **0209-Van**)

Boundless possibilities. Ernst, Willi. *Sun & Wind Energy*; 1/2009, p.94-100

An article about the advantages of building-integrated photovoltaics.

(To request: email library@energylibrary.org.nz Ref: **0209-Ernst**)

Notes on progress in structuring a research project measuring energy inputs into New Zealand apple production -- combining hard and soft systems methods. Thomas Gregory Frater and Donald James Houston. *Systems Research & Behavioral Science*; Nov/Dec 2008, Vol 25 (6), p.827-833

(To request: email library@energylibrary.org.nz Ref: **0209-Frater**)



Energy -- if it's not measured, it doesn't exist! O'Brien, Vince and Colby, Chris. *Australian & New Zealand Wine Industry Journal*; 01/07/2008, Vol 23 (4), p.28-34

The authors outline energy issues affecting the Australian wine industry.

(To request: email library@energylibrary.org.nz Ref: **0209-Vince**)

A hybrid society model for simulating residential electricity consumption. Minjie Xu and others. *International Journal of Electrical Power & Energy Systems*; Dec 2008, Vol 30 (10) p.569-574

In this paper, a hybrid social model of econometric model and social influence model is proposed for evaluating the influence of pricing policy and public education policy on residential habits of electricity using power resources management. And, a hybrid society simulation platform based on the proposed model, called residential electricity consumption multi-agent systems (RECMAS), is designed for simulating residential electricity consumption by multi-agent system...[abstract abbreviated].

(To request: email library@energylibrary.org.nz Ref: **0209-Xu**)

Better use of existing facilities delivers significant energy savings. Overall, Owen. *Energy World (Energy Institute)*; Nov 2008, 365, p.12-13.

Syngenta at Jealott's Hill has successfully reduced its energy profile through a review of its building services operations as well as implementing cost-effective operating principles and engaging with the site occupants.

(To request: email library@energylibrary.org.nz Ref: **0209-Owen**)

Efficiency enhancement in a Rankine cycle power plant: combined cycle approach.

Murugan, R. S. and Subbarao, P. M. V. *Institution of Mechanical Engineers (IMECHE) Proceedings Part A: Journal of Power and Energy*; Dec 2008, Vol 222 (A8), p.753-760

Efficiency enhancement in a Rankine cycle power plant operating on a condensing mode is one of the challenging tasks for researchers. In a modern fossil-fired steam power plant even a fraction of percentage difference in efficiency can mean very large savings in annual fuel costs. In this study, effort was put into improving the cycle efficiency by reducing energy loss and irreversibility in the major portion of the cycle such as heat input part, work output part, and heat rejection part...[abstract abbreviated].

(To request: email library@energylibrary.org.nz Ref: **0209-Muru**)

From model validation to production of reference simulations: How to increase reliability and applicability of building and HVAC simulation models. P. Andra and others. *Building Services Engineering Research & Technology*; Feb 2008, Vol 29 (1), p.61-72

(To request: email library@energylibrary.org.nz Ref: **0209-Andra**)

The light of the future? Not so fast. Rebecca Falzano. *Lighting Design + Application*; Nov 2008, Vol 38 (11), p.47-50

There are several problems with LED lights that need to be solved before the author would be comfortable promoting them as the future of lighting.

(To request: email library@energylibrary.org.nz Ref: **0209-Rebecca**)

Innovative approaches to domestic heating: Homeowners' perceptions and factors influencing their choice of heating system. Mahapatra, Krushna and Gustavsson, Leif. *International Journal of Consumer Studies*; Jan 2008, Vol 32 (1), p.75-87

This article explains what influences Swedish households in their choice between district heating, heat pumps and pellet boilers.

(To request: email library@energylibrary.org.nz Ref: **0209-Maha**)

Simultaneous heating and cooling -- The HVAC blight. Steve P. Doty. *Energy Engineering*; 2009, Vol 106 (2), p.42-66,69-74

(To request: email library@energylibrary.org.nz Ref: **0209-Doty**)

Investigation on the prevention of oil filled transformer explosions: experiments and numerical simulations on large transformers, Guillaume Perigaud and Gaël de Bressy. In:

A climate for change. 2008 Electricity Engineers' Association of New Zealand (EEA) annual conference & trade exhibition CD (2008: Christchurch). Wellington: EEA, 2008

(To request: email library@energylibrary.org.nz Ref: **0209-Bressy**)

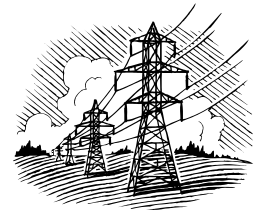
Overview and comparative analysis of gas turbine models for system stability studies. Yee, S.K. and others. *IEEE Transactions on Power Systems*; Feb 2008, Vol 23 (1), p.108-118

Gas turbines have become increasingly popular in the different power systems due to their lower greenhouse emission as well as the higher efficiency, especially when connected in a combined cycle setup. With increasing installations of gas turbines scheduled in different countries, the dynamics of the gas turbines become increasingly more important. In order to study such dynamics, accurate models of gas turbines are needed. This paper presents a comparative analysis and an overview of various models of gas turbines published in different literature. © 2008 IEEE. Abstract reprinted with permission of the IEEE

(To request: email library@energylibrary.org.nz Ref: **0209-Yee**)

Operations and maintenance practices and their impact on power plant performance. Shyong Wai Foon and Terziovski, Mile. *Academy of Management Proceedings*; 2008, p.1-6

(To request: email library@energylibrary.org.nz Ref: **0209-Mile**)



Calculation of stress-dependent life cycle costs of a substation Subsystem -- demonstrated for controlled energization of unloaded power transformers. Politano, D.; Frohlich, K. *IEEE Transactions on Power Delivery*; Oct 2006 Vol 21 (4), p.2032-2038

This paper presents an algorithm for calculating the life cycle costs of a power apparatus taking into account the deterioration process of the apparatus subjected to stress during its operational lifetime. The algorithm models the life-cycle of a power apparatus using a continuous-time Markov chain in which costs related to the deterioration stages of an apparatus during its lifetime are considered. The methodology is used to calculate the financial implications of introducing new equipment which reduce the stress for the adjacent apparatus in a substation. As an example, in this work the financial benefits of controlled energization of an unloaded substation power transformer are calculated. The analysis demonstrates the high financial benefits resulting from the introduction of controlled transformer energization.

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(To request: email library@energylibrary.org.nz Ref: **0209-Poli**)

Classification of sags gathered in distribution substations based on multiway principal component analysis. Abbas Khosravi and others. *Electric Power Systems Research*; Jan 2009, Vol 79 (1), p.144-151

(To request: email library@energylibrary.org.nz Ref: **0209-Abbas**)

The radiative forcing potential of different climate geoengineering options. T. Lenton and N. Vaughan. *Atmospheric Chemistry and Physics*; (9) 2009, p.2559-2608. This article is available [online](#).

Underground gas storage in a partially depleted gas reservoir. *Oil & Gas Science and Technology*; Vol 63, 2008 (6), p.691-703. This article is available [online](#).

Want to see more articles? New articles are added to our members' online catalogue every week. Please [contact us](#) if you have forgotten your login details.

Special Topic: Energy industry employment issues

Strategies to address the problem of exiting expertise in the electric power industry.

Dennis Ray, Bill Snyder. *Oil & Gas Journal*; Dec 15, 2008. Vol 106 (47), p.S12- (10 p.)
Retirements, restructuring, and technology changes are producing an accelerating exodus of expertise from the electric power industry. This article reviews approaches to address that challenge: managing available resources, outsourcing, automating, recording, and educating.
(To request: email library@energylibrary.org.nz Ref: **0209-Topic1**)

Talent management in the era of the aging workforce: the critical role of knowledge transfer.

Calo, Thomas J. *Public Personnel Management*; Winter 2008, Vol 37 (4), p.403-416
(To request: email library@energylibrary.org.nz Ref: **0209-Topic2**)

Mind the energy skills gap.

Energy World; Jul/Aug 2008 (362), p.13 (1p.)
EDF Energy explains why the energy industry is lacking the trained personnel that it desperately needs - and what they're doing to help bridge the skills gap.
(To request: email library@energylibrary.org.nz Ref: **0209-Topic3**)

Generation Y to require new recruiting strategies, organization reshaping.

Sampath, Rekha. *Natural Gas & Electricity*; Nov 2007, Vol 24 (4), p.21-27
(To request: email library@energylibrary.org.nz Ref: **0209-Topic4**)

The aging workforce: Electricity industry challenges and solutions.

Lester B. Lave and others. *Electricity Journal*; Mar 2007 Vol 20 (2), p71-80
Recruiting and training new workers have become essential skills for companies. As senior workers retire, companies must find ways to keep the essential knowledge for running the company from walking out the door.
(To request: email library@energylibrary.org.nz Ref: **0209-Topic5**)

The fine A.R.T. of staffing: Attraction, retention, and training.

Linke, D. M. and others. *Hydro Review*; Jan 2007 Vol 25 (8), p.10-16
(To request: email library@energylibrary.org.nz Ref: **0209-Topic6**)

Shiftwork experience, age and cognitive performance.

Rouch, I. and others. *Ergonomics*; Vol 48 (10) Feb 2005, p.1282-1293.
(To request: email library@energylibrary.org.nz Ref: **0209-Topic7**)

Job generation. *Engineer*; 8/18/2008 – this article about planned new generation capacity in Great Britain creating employment for skilled engineers is available [online](#).

Retaining the best. *Electrical + Automation Technology*; Dec 2008 - available [online](#).

On the grid: Careers in energy. *Occupational Outlook Quarterly*; Fall 2008 - available [online](#).

Reports

The Wind Power Report (5th edition) 2008. ABS Energy Research.

This 237-page report covers many countries and New Zealand gets a mention. Contents include: The development of wind energy and the market in 2008; The future market for wind power; An assessment of factors affecting wind power; National policies for renewable energy; National wind power markets and support plans; Wind industry supply chain; Wind farm developers and owners; Advantages and disadvantages of wind energy compared with other forms of energy; Manufacturing base; Offshore wind power – the new frontier; Forecasting a new technology - experience curves and progress ratios; Development of wind turbine size.

(To request a copy of this report email library@energylibrary.org.nz Ref: **0209-Report1**)

Gas Utilities Industry Profile: Asia-Pacific. Datamonitor, Oct 2008.

This 28-page industry overview presents a profile of the gas utilities industry in Asia-Pacific.

(To request a copy of this report email library@energylibrary.org.nz Ref: **0209-Report2**)

Determining outcomes or facilitating effective market processes: A review of regulation and governance of the electricity sector – Feb 2009 Business NZ [report](#)
(note: the date on the report was mistakenly "2008". This has since been corrected).

Smart choices for biofuels - Jan 2009 Worldwatch Institute biofuels sustainability [report](#).

Energy on the Web

ENA submission on Commerce Commission discussion paper - [document](#).

New course announcement - ENVI 529, Special Topic: Sustainable Energy - Victoria University [news](#).

Unlocking New Zealand's Bioenergy Potential - Bioenergy Association [press release](#).

Earth Hour 2009 – read about the countdown to this March 28th global event [online](#).

Website plans to disrupt the power supply market – New Zealand Herald [article](#) about [Powershop](#) website.

More councils waive solar fees – EECA [news](#).

New green building rating Pilot tools - NZ Green Building Council [news](#).

Wave device could add to Round Three offshore capacity – New Energy Focus [news](#).

Chinese auto maker plans to take on giants with electric cars – AFP [news](#).

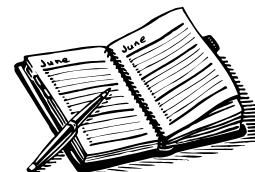
Climate change will be more devastating than predicted, top scientist warns – Telegraph [news](#).

Conferences and Events

Green Star NZ - Education Pilot Launch – Wgtn, 9 March 2009. Details [here](#).

Climate Change and Risk Management for Adaptation (free public lecture) – Auckland, 18 March 2009. Details [here](#).

EECA Energy management workshops for the public sector
Wgtn, 17 March 2009 / Auckland, 19 March 2009. Details [here](#).



EECA Biofuels & Electric Vehicles Conference. Wgtn, 24 Mar 2009. Details [here](#).

The Current Status of Liquid Biofuels Supply in New Zealand - Addressing the Supply Opportunities (Bioenergy Association of New Zealand (BANZ Liquid Biofuels Interest Group) Workshop). Wgtn, 25th March 2009. Details [here](#).

Irhace Conference. Dunedin, 16-19 April 2009. Details [here](#).

NZ Wind Energy Conference and Exhibition 2009. Wgtn, 20-22 Apr 2009. Details [here](#).

Power Quality in Future Electrical Networks (EPECentre Conference 2009). Christchurch, 23 & 24 April. Details [here](#).

The RMA Reform Forum: Economic and environmental implications of the reform process. Wgtn, 27-28 April 2009. Details [here](#).

The Fast-Tracking National Infrastructure Summit. Wgtn, 27-28 Apr 2009. Details [here](#).

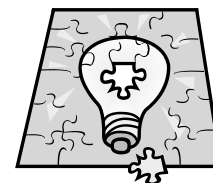
Fuel for Thought / Energy chocolate competition

The [Job Summit](#) was held recently. The government wants businesses to think outside the square about saving jobs. Here's your chance to **think creatively about energy jobs**:

Which energy job is a two-word [anagram](#) of the following phrase?

Eerie calling centre (Clue: E _ _ _ _ _ _ _ _ _ _ E _ _ _ _ _ _ _ _ _ _)

The answer is not "A recent clingier eel", even though this is also an anagram of the same phrase. "Career intelligence" is too!



To enter the draw for a king size bar of Cadbury Energy chocolate just [email us](#) the answer by 4pm Friday 20th March 2009.

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