

El update

Summer 2007 Issue 2

Welcome to the latest edition of the El Update, designed to keep members, partners and key stakeholders up to date with current activities and developments within the Energy Institute. We would also like to take this opportunity to thank all those volunteers who work on behalf of the El – your commitment and dedication is extremely valued and very much appreciated.

In the meantime, we hope you find this update of interest and would welcome any feedback at e: communications@energyinst.org.uk

El joins Advisory Board for the Institute of Energy Research and Policy

El Chief Executive, Louise Kingham FEI FRSA, has been invited to join the University of Birmingham's Advisory Board for the Institute of Energy Research and Policy. The University has around 100 researchers working on energy topics with an annual spend of £5 million. Their programme includes both scientific and technical work and research on policy approaches to energy questions. The University has formed an Advisory Board that reflects a wide range of energy constituencies. Its purpose will be to give the University advice and direction on strategy for its programmes so as to ensure scientific, commercial, political and environmental reality and, ultimately, absolute relevance to the future.

The El is also represented through members and staff in a number of additional external organisations in an effort to further its work and outreach. Details are as follows:

- Denis Pinto MEI – International Energy Academy (Advisory Group)
- Dr Anne-Marie Warris CEng FEI – Emissions Trading Group (QA committees)
- Don Barber CEng FEI – CORGI (Council member)
- Chris Boocock CEng FEI – ECUK (Board Member representing Group B Institutions)
- Brian Chamberlain CEng HonFEI – Engineering Forum for Energy
- Prof Martin Fry CEng FEI – Engineering Forum for Energy
- Dr Paul Spare CEng FEI – British Nuclear Energy Society (Collaborative Committee)
- Louise Kingham FEI – Parliamentary Group for Energy Studies, Professional Associations Research Network, Parliamentary and Scientific Committee, Science Council (Board and Council member), British Energy Association of the World Energy Council, UK National Committee of the World Petroleum Council.

Louise has also been nominated Vice President of the Energy Industries Club from October 2007, and President from October 2009.

New Development directorate created as part of internal restructure

An internal restructure in June saw the creation of a new Development directorate, responsible for El partner and company member relations, sponsorship and advertising, all marketing services support including the production of El marketing materials and the management of El presence at exhibitions as well as cross selling of El products and services.

Marta Kozłowska took up the role of the El's Development Director, and joining her in this new team are Sarah Frost Mellor as Development Manager, Emma Parsons as Marketing Manager and Simon Price as Marketing Officer.

In addition, Erica Sciolti has been promoted to Publishing Manager to develop new products and relationships with other publishers to populate the El publications online service. A new Publishing Officer will also be recruited to produce the El's own guidance documents and other materials as a result of the El's technical work programme.

As part of the ongoing process of change to the El's organisational structure, Andy Lewis's post of Membership Development Manager has been made full time. This additional time will allow Andy to focus on the whole of the membership function including retention, development of membership services and licensing issues in addition to his existing role around membership recruitment, networking and liaison with companies and marketing/promotion of the El.

continued...

El update

Summer 2007 Issue 2

El joins the All Parliamentary Climate Change Group

Climate change is an increasing focus across all business sectors and for all political parties, and for this reason the EI has recently joined the All Parliamentary Climate Change Group (APPCCG). The emphasis is not on technologies but rather institutional mechanisms and frameworks, policies and the practical application of climate change strategies. The scope will include: recognition of voluntary action in concert with regulatory action; emissions trading; carbon emissions auditing and measuring; target-setting; carbon offsetting; fiscal measures.

The APPCCG brings together business leaders, politicians and other stakeholders to discuss and develop a meaningful and effective approach to delivering a low or no-carbon society. Following the UK presidencies of the G8 and the EU, and the recent Stern Review, this is a crucial period for anybody with an interest in climate change - professional, commercial, academic or political - to link into these processes and their consequences. The APPCCG will provide opportunities for networking and information sharing, both in the public domain and in informal forums. The group's aim is to deliver material and meaningful progress on climate change by creating an arena in which interested and relevant parties are able to discuss and formulate policy options and encourage the application of those that offer greatest promise with a view to:

- Facilitating greater public action. While it is the role of Government to provide leadership on climate change it is the obligation of every member of society to take responsibility for tackling it. The Group will endeavour to bring the issue of climate change into the consciousness of the public fully, and to tie this awareness to an acceptance of individual responsibility.
- Promoting greater communication. The Group will aim to improve communication between policymakers, commentators and opinion formers to ensure a greater level of understanding between stakeholders and to provide the Government with more political 'head-room' for movement.
- Encouraging voluntary action. The Group will look to build Government recognition of the voluntary carbon market and to promote action beyond the regulated minima. Trailblazer individuals and organisations should receive greater support, to provide an example to others of the benefits of climate friendly practice.
- Supporting the development of a global standard. The Group will advocate the creation of a single global standard to denote responsible and effective carbon reduction and offset. This will simplify the recognition of those that are working to address climate change, and at the same time raise the profile of the issue.
- Formulate policy initiatives. The Group expects to provide practical action through the design and piloting of innovative policy alternatives such as the '25/5 Challenge', 'Contraction and Convergence', 'Domestic Tradable Quotas' and 'CarbonNeutral'. In this way the Group will have a direct and tangible impact on climate change policy in the UK.

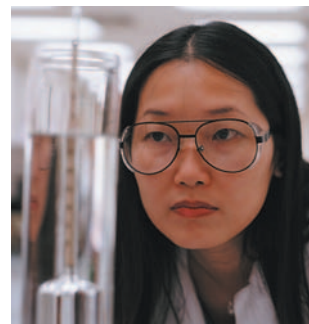
El membership recruitment gains momentum

The membership recruitment campaign continues apace with direct mail, attendance at major exhibitions such as GetEnergy in Dubai, the Offshore Technology Conference in Houston, Nemex in Birmingham and All Energy in Aberdeen, advertising in trade magazines, membership workshops across the UK and inclusion of membership profiles on the EI website and Science Council documentation. The total so far for 2007 is 712 new members (the figure last year for the same period was 412).

Membership workshops are planned around the country for the rest of this year which provide an excellent opportunity to offer hands-on assistance for potential members completing their application forms and members looking to upgrade. These sessions can also be run at company offices to recruit a number of staff en masse. Your support of these events by encouraging non-member contacts to attend, and providing details of any company contacts that the EI could approach would be very much appreciated.

Contact Andy Lewis, t: +44 (0)20 8133 5389, e: alewis@energyinst.org.uk

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El response to forthcoming nuclear consultation

On the back of the Government's Energy White Paper, a consultation was launched in May to discuss nuclear power generation. Its purpose is to provide the Government with information which will help it to take the decision whether or not to allow energy companies to build new nuclear power stations in the UK.

The Department for Business, Enterprise and Regulatory Reform (DBERR) are organising a series of stakeholder consultation events: 12 September (Nottingham); 13 September (London); 14 September (Reading); 17 September (Belfast); 19 September (Cardiff); and 21 September (Glasgow). For more information and to register your place at one of these events, please email at e: nuclearpower2007@delegate.com

The consultation closes on 10 October and if you can not attend but wish to contribute then you can do this online at www.direct.gov.uk/nuclearpower2007

The EI has also developed an on-line forum for members to register their comments. These points will be collated to help compile an EI response to this important debate. For more information, please contact Jocelyne Bia, t: +44 (0)20 7467 7132, e: jbja@energyinst.org.uk

Supporting future energy generations

EI activities at the Nemex and All Energy exhibitions earlier this year featured the official launch of the revised and updated TEMOL (Training in Energy Management through Open Learning) course. Nemex also featured the Energy Manager of the Year Award, won by Ken Heaton of MITIE Managed Services, and the Renewables Innovation Award, won by Alex Fowler of National Energy Action.

The development of the EI's interactive educational online service – Energyzone – is progressing steadily. This new web portal will be previewed at Offshore Europe – the leading oil and gas conference and exhibition in Europe taking place in Aberdeen from 4 – 7 September 2007. Energyzone is supported by Total and Shell and will be dedicated to energy of all types – from oil and gas exploration to innovation in the development of renewable/alternative energy sources. Providing information to schools wanting to know more about energy, Energyzone will also offer details of how to advance your career in the energy industry.

The EI was also one of 15 organisations recently awarded a grant by the Royal Academy of Engineering to encourage public engagement with engineers through its Ingenious Programme. The EI's project is to provide information and CPD workshops to Science Technology Engineering Maths (STEM) teachers and careers advisers in the subject of energy engineering. The project, which will see the EI work in collaboration with CREATE (the company also helping us develop Energyzone), started in May and will run for 15 months.

New pilot system launched to support development of energy professionals

The EI has recently launched the pilot of its new Professional Development System (PDS). The system offers the facility to plan, record and monitor both Initial Professional Development (IPD) towards professional membership and registration and Continuing Professional Development (CPD). The IPD service offers the option of using a mentor to assist in your development. It includes all the standards and competences needed to work towards MEI, FEI, TMEI, CEng, IEng, EngTech and CSci status as well as providing valuable CPD tools such as SWOT analysis and matching skills and competences against key job profiles.

The development costs for the system, which is provided by Skilsure, have been kept low by the generous support of the Engineering and Technology Board (ETB) and shared with five other professional membership bodies.

In addition, the EI is also currently trying to build up a network of mentors who could assist those young people at the start of their energy careers, particularly those, such as women, who may otherwise find the industry a real challenge and not particularly attractive.

If you would like to sign up for the service or help as a mentor then please contact James Relf on t: +44 (0)20 7467 7150 or e: jrelf@energyinst.org.uk

continued...

El update

Summer 2007 Issue 2

Special Interest Groups (SIGs) seeks members' ownership

Last year the EI introduced a new service to its members in the form of Special Interest Groups (SIGs). These SIGs have been developed to provide EI members with a single online platform to find reference documents, news and events listings on any specific energy-related topic. They also feature discussion forums to enable members to share their views and enquiries on their chosen subject. The SIGs are member-driven and their usefulness and success depends on members input.

There are four SIGs – Energy Performance in Buildings, Energy Policy, Nuclear and Transport/Future Fuels. The EI is looking for volunteer members to act as chairs and secretaries for each of the SIGs to help stimulate content and activities within each of these specialist topic areas.

The link to these individual sites can be found on the right hand side of the EI home page at www.energyinst.org.uk If you or any colleagues are interested in getting more involved in the development of these SIGs then please contact Jocelyne Bia on t: +44 (0)20 7467 7132, or email at e: jbias@energyinst.org.uk

EI Technical Team Update - promoting good industry practice

The EI technical work programme continues and this September a joint Distribution and Marketing/Aviation Committee workshop is planned to review the implications of the findings from the Buncefield incident on EI codes relating to fuel storage facilities.

More recent events hosted by the EI technical team include:

- CCS and safety implications of transporting carbon dioxide in large volumes and under high pressures
- International Forum for Physicians – bringing together medical industry expertise covering fitness to work, ageing workforce, circadian adaptation, pandemic flu, medical assessments, and cardiac fitness
- Presentation of *Guidance on assessing the safety integrity of electrical supply protection* given to The Institution of Engineering and Technology
- Overview of recent, current and future EI technical safety (and environment) activities pertinent to onshore gas storage and distribution presented to The Institution of Gas Engineers and Managers' Safety and Environment Committee.
- Workshop held with Environment Agency on Vapour Transport models

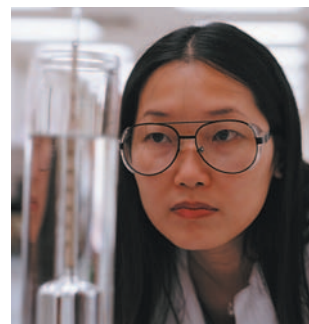
EI technical publications also published this quarter include:

- *Environmental Guidelines for Distribution Facilities*
- *An Investigation of Mortality and Cancer Incidence in United Kingdom Petroleum Distribution Workers and Oil Refinery Workers (1951-2003)*
- *Legionella Risk Management and Legionella Bacteria Control: Guidance for Oil and Gas Facilities, Offshore Platforms and Refineries*
- *Environmental Risk Assessment of Bulk Liquid Storage Facilities – a screening tool*
- *Additional requirements to a model written scheme for the examination, testing and certification of petroleum road tankers for ADR tankers*


An article regarding *Refining human factors* was also published in *Petroleum Review* (May 2007) which presents an overview of key human factors issues identified in the Baker/CSB reports into the BP Texas City major accident. A longer version of the article is available at: www.energyinst.org.uk/humanfactors

Other on-going and forthcoming activities for the technical team centre around health, test method development, environment, aviation fuel filtration, petroleum road transport, offshore emissions trading, safety and integrity, as well as continued work on Hydrocarbon Management under the EI/API Phoenix agreement.

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Implementation of energy performance certificates – 1 August 2007



Energy performance certificates (EPCs) are to be required for buildings under Article 7 of the EU Energy Performance in Buildings Directive (EPBD). Certificates will grade performance on a scale from A-G similar to the system used for grading white goods. EPCs and Home Information Packs (HIPs) will be implemented from 1 August 2007. This is to create greater transparency in the housing market and work towards tackling climate change. From 1 August, HIPs, which include EPCs, will be required for the sale of four bedroom properties and larger.

EPCs can only be prepared by suitably qualified and accredited Energy Assessors. In preparation of this development, the Energy Institute (EI) has been working with Asset Skills who have chief responsibility for the development of these National Occupational Standards (NOS) and qualifications for Energy Assessors. Non-domestic buildings will not require EPCs before October 2007, and initial intentions are to have the first wave of certificates rolled out by April 2008.

Those doing the energy assessments under the new EPBD requirements will need specific training/qualifications which are within the remit of Asset Skills. Sarah Beacock, EI Professional Affairs Director, has been on the steering group for these and has suggested that the EI's register of energy consultants is a ready made list of people with the right experience although they would almost certainly need to follow the additional training programme. Consultants on the register may have exemplary experience in energy conservation work but unfortunately they will not be excluded from the course and exam because there is a system of accreditation of prior learning (APL) for those who have experience and other qualifications and so it is likely that some form of conversion will be required.


For more information, please visit:

- Asset Skills – www.energy-assessors.org.uk
- Carbon Trust – www.thecarbontrust.co.uk
- Communities and Local Government – www.communities.gov.uk
- Royal Institution of Chartered Surveyors – www.rics.org



Coming up

El/Ipsos Mori industry survey findings to be published in the Autumn



An El/Ipsos Mori survey was launched in June to gather opinions on the role and status of energy professionals and their contribution to society among members and customers. It has been issued to a selection of members and customers with the intention of getting a representative sample to respond. Over 2,250 responses have been received to date and the analysis will be conducted by Ipsos Mori with the report published in the Autumn.

El Yearbook and Directory 2008 available mid November

The Library and Information Service (LIS) team is currently updating and compiling the next issue of the Yearbook and Directory along with sourcing articles from leading figures within the industry commenting on issues which include oil depletion, emissions trading, and energy conservation. The 2008 edition of the Yearbook and Directory will be distributed free of charge to all active EI members based in the UK.

New EI website development update

Following a round of consultations with both external and internal users, the new EI website project is entering its build and design stage. It is scheduled for testing in September for both contents and functionality followed by a formal launch later in the year.

continued...

El update

Summer 2007 Issue 2

Diary dates

Key events and exhibitions scheduled for the remainder of 2007 which the EI will have a presence at are listed below:

- 4 – 7 September: Offshore Europe, Aberdeen – visit the EI at stand no. 1568
- 25 – 27 September: Grove Fuel Cell Symposium – fuel cells in a changing world, London
- 4 October: Science and Innovation conference, London
- 10 – 11 October: Energy Solutions expo, London – visit the EI at stand no. B164
- 17 – 19 October: International conference on pipeline protection, Edinburgh
- 17 – 18 October: Biodiesel expo, Newark

Other EI and branch events taking place in the next two months include:

- 3 September *Evening lecture: The public perception of nuclear fuel*
EI Events Team – Jacqueline Warner, e: jwarner@energyinst.org.uk
- 5 September *Business breakfast briefing: Research into the Micro-CHP trials*
EI Events Team – Helen Etheridge, e: hetheridge@energyinst.org.uk
- 10 September *Energy efficiency accreditation scheme*
EI London and Home Counties branch – Malcolm Barlow,
e: mbarlow@candidarts.com
- 11 September *Beatrice Wind Farm update*
EI Aberdeen, Highlands & Islands branch – Denis Pinto,
e: denis@pinto92.freeseerve.co.uk
- 20 September *Microwind*
EI East Midlands branch – Paul Rowley, e: p.n.rowley@lboro.ac.uk
- 20-21 September *Managing risk – dispute avoidance and resolution*
EI Events Team – Helen Etheridge, e: hetheridge@energyinst.org.uk
- 3 October *Energy efficiency seminar*
EI London and Home Counties branch – Jacqueline Warner,
e: jwarner@energyinst.org.uk
- 3 October *CFR maintenance symposium*
EI Technical Team – Sonia Quintanilla,
e: sonia.quintanilla@energyinst.org.uk
- 9 October *Evening lecture: Liberalised European Energy Markets*
EI Events Team – Jacqueline Warner, e: jwarner@energyinst.org.uk
- 9 October *Flexible pipel/riser technology*
EI Aberdeen, Highlands & Islands branch – Denis Pinto,
e: denis@pinto92.freeseerve.co.uk
- 10 October *Power generation half day seminar*
EI Events Team – Jacqueline Warner, e: jwarner@energyinst.org.uk
- 12 October *Dinner dance*
EI Humber branch – Tim Brant, e: tim.brant@virgin.net
- 15 October *Nuclear power*
EI London and Home Counties branch - Malcolm Barlow,
e: mbarlow@candidarts.com
- 16 October *Autumn Lunch and executive briefing*
EI Events Team – Helen Etheridge, e: hetheridge@energyinst.org.uk
- 18 October *Solar*
EI East Midlands branch – Paul Rowley, e: p.n.rowley@lboro.ac.uk

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