



introduction

"The objective of policy makers should be to minimise the cost of energy to Irish Consumers in the long run, while ensuring that the supply of energy in its different forms is secure."

Professor John Fitzgerald, Economic and Social Research Institute. (2002)

Ireland's spiraling dependence on imported power needs to be reduced. Power experts believe this can only be achieved by:

- **encouraging further exploration for native sources of fuel**
- **promoting greater development of renewable power**
- **developing interconnections with European networks**
- **promoting energy efficiency**
- **devising a strategy for development of wind power**

Furthermore, the energy industry accounts for over 35 per cent of national CO₂ emissions. In ratifying Ireland's Kyoto obligations on greenhouse gas abatement, the government was aware that holding emissions to a 13 per cent ceiling above 1990 levels by 2010 presented a serious challenge.

iQuest and The Sunday Business Post recognise the need to address these and other challenges at the inaugural National Power Conference.

keynote speakers



Michael Cupit

Head of Renewable Energy Practice, ERM (Environmental Resources Management) UK

Cupit is head of ERM's renewable energy practice. He has undertaken numerous studies on renewable energy in Britain, Europe and north America for public and private sector bodies. This work can be characterised into techno-economic assessments of renewable energy, market and regulatory analysis, price forecasting, due diligence and business planning. In undertaking these studies he has worked for many of the market's largest renewable energy providers including Edison Mission Energy, Centrica, Scottish Power as well as the US and British governments.



David Taylor

Chief executive, Sustainable Energy Ireland

Prior to his appointment as chief executive, Taylor was the director of the Irish Energy Centre. He qualified as a chemical engineer and holds an MSc in management from Trinity College Dublin. He is active in European energy matters and is a member of the International Energy Agency (IEA) Committee on Energy Research and Technology. Sustainable Energy Ireland was established on May 1, 2002. Based in Dublin with offices in Sligo, Cork and Bandon, it delivers a suite of programmes in support of energy efficiency and renewable energy.



Tim Cowhig

Chairman of the IWEA (Irish Wind Energy Association) and development manager, South Western Services Group

As chairman of the IWEA, Cowhig has been at the forefront of shaping national policy on renewable energy. The IWEA is focused on ensuring that wind energy is the major source for delivery of Ireland's Kyoto obligation to reduce CO₂ emissions. He leads the SWS (South Western Services) team which is in the process of developing 100 Mw of wind energy in addition to managing a further 100 Mw to be developed in partnership with others. As director of Independent Biomass Systems Ltd, he has also led the SWS involvement in developing biomass as a second important source of renewable energy.



Tom Reeves

Commissioner for Energy Regulation

Tom Reeves is Commissioner at the national Commission for Energy Regulation (CER). Prior to his appointment he was head of the energy division in the Department of Public Enterprise. As industry regulator one of his key responsibilities is the ongoing design and implementation of new electricity market structures and to oversee the introduction of competition in Ireland's energy markets. His office also has responsibility for the regulation of the natural gas industry.

programme day 1

8:00 Registration and light breakfast, compliments of iQuest and The Sunday Business Post

8:45 Chairman's introduction



**Tim Cowhig, chairman,
Irish Wind Energy Association and development manager,
South Western Services Group**

9:00 Official opening address

The future of power in Ireland - a government perspective



**Brendan Tuohy, Secretary General,
the Department of Communications,
Marine and Natural Resources**

MARKET STRUCTURE

9:20 Keynote address

Recent developments in electricity and gas regulation



- New wholesale electricity market
- New generation capacity
- Environmental issues
- Gas supply competition

Tom Reeves, commissioner for Energy Regulation

10:00 Developing an electricity network to support the development of a de-regulated market

- The investment to refurbish and renew the rural and urban electricity network across Ireland



- The bulk of the renewal programme will be completed by 2005
 - This programme will guarantee an electricity supply that will support future development, both domestic and industrial
- Denis O'Leary, head of asset management, ESB Networks**

10:40 MORNING TEA AND EXHIBITION VIEWING

11:10 Competition authority policy and enforcement in the Irish power sector

- Recent developments in the Irish electricity sector – do they go far enough?
- New market trading arrangements
- The interconnection with Wales – what are the implications?
- Progress of liberalisation to date



**John Evans, economist, advocacy division,
Irish Competition Authority**

11:50 Electricity trading arrangements - new arrangements for full market opening

- Centralised pool
- New role of Transmission System Operator (TSO)
- Hedge contracts
- Financial transmission rights



Patricia Lawless, partner, McCann Fitzgerald



12:30 LUNCH AND EXHIBITION VIEWING

1:50 WELCOME BACK AND INTRODUCTION FROM THE AFTERNOON CHAIR

IRISH POLICY REVIEW

2:00 The International Energy Agency in-depth review of Irish energy policies

- What type of power sector reform suits Ireland?
- Policy experiences in other countries
- Getting sufficient competitors to the Irish market
- How climate change concerns will affect Ireland and its power sector
- The government's role in maintaining energy security

Jonathan Coony, the International Energy Agency, Paris



EMISSIONS

2:40 Emissions trading - implementation in Ireland

- The emissions trading directive
- Greenhouse gas emissions and targets for 2008–2012
- What the directive will require, who will be covered and implementations in Ireland?
- Cost implications

Ken Macken, programme manager, Emissions Trading Unit, the Environmental Protection Agency



3:10 AFTERNOON TEA AND EXHIBITION VIEWING

TAXATION

3:35 The Irish tax system and the power sector - current issues and emerging trends

- The carbon tax regime: winners and losers
- Commercial and other factors impacting on the tax regime
- Tax and the power companies
- Tax incentives for renewables?
- Tax-efficient financing ideas

Gary O'Mahony, Senior Partner, Ernst & Young



CONSTRUCTION INDUSTRY

4:15 Sector analysis: managing power demand for the building industry

- EU energy performance directive: bringing big changes in 2005
- Contrasts in recent commercial developments
- Retrofitting over one million houses – the major challenge
- Sustainability in towns and cities

Professor J Owen Lewis, director, Energy Research Group, School of Architecture, University College Dublin



5:00 - 6:00 Drinks reception compliments of iQuest and The Sunday Business Post.

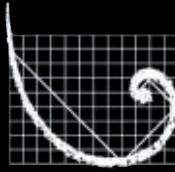
We invite you to discuss the day's proceedings and network in a relaxed atmosphere



the national
POWER
conference

18th - 19th November 2003,
Croke Park Conference Centre, Dublin

in association with



ERM



Networks

sei SUSTAINABLE
ENERGY
IRELAND

iQuest

THE SUNDAY BUSINESS POST

programme day 2

8:00 Registration and light breakfast, compliments of iQuest and The Sunday Business Post

8:45 Opening remarks and introduction from the morning chair

SUSTAINABLE POWER

9:00 Opening address

Sustainable energy - cost or opportunity?



- The environmental & energy context for sustainable power
- Challenges in responding
- Cost implications
- Opportunities for business lead responses

David Taylor, chief executive, Sustainable Energy Ireland

RENEWABLE POWER

9:40 International keynote address

Incentivising renewable energy in Ireland -- what comes after the alternative energy requirement (AER)?



- Techno-economic assessments of renewable energy
- Market and regulatory analysis
- Assets in renewable energy markets as part of acquisitions and merger activity
- Business planning, new entrants, expanding companies and competitor analysis.

Michael Cupit, head of renewable energy practice, Environmental Resources Management UK

10:20 Morning tea and exhibition viewing

10:50 The role of wind energy in the Irish power market



- How we compare to the rest of Europe
- What should our targets from wind energy be
- The role of the grid infrastructure
- Discriminating in favour of renewables against fossil fuels

Tim Cowhig, chairman, The Irish Wind Energy Association

11:30 National and international developments with marine renewable technology



- Technological advancements
- Current bottlenecks
- Research & development to overcome these obstacles
- Wave, tidal and off-shore wind power

Eoin Sweeney, technology programmes manager, the Irish Marine Institute

12:10 Lunch and exhibition viewing

1:40 Welcome back and introduction from the afternoon chair

1:45 Renewable and sustainable power - the German experience

- Germany - a role model in energy policy?
- Renewable energies
- What kind of technologies can be used in Ireland?
- Obstacles and solutions to renewable energy policy in Germany



**Bernd Reinhard, head of marketing,
German-Irish Chamber of Industry and Commerce**

OIL & GAS

2:25 Connecting to the Bord Gáis Éireann gas distribution network

- Distribution annual development capital expenditure
- Distribution tariff review and Central Energy Regulators (CER) contributions expectations
- CER decision 03/190 and distribution connection appraisal methodologies: existing housing, new housing, industrial/commercial, new towns
- Generation on distribution
- Connection charges and sector contributions



**Paul O'Donoghue, business development manager,
Bord Gáis Éireann**

3:05 Afternoon tea and exhibition viewing

**3:30 Panel discussion
What does the future hold for Ireland's energy and power needs?**

Delegates will be encouraged to participate in this session with questions and comments being introduced from the floor for discussion by the panel. A summary of the main points arising from this discussion, and from the conference in general, will be presented to Dermot Ahern TD, Minister for Communication, Marine & Natural Resources

Panellists:

Denis O'Leary, ESB Networks

Professor J Owen Lewis, Energy Research Group, UCD

Tim Cowhig, The Irish Wind Energy Association

Paul O'Donoghue, Bord Gáis Éireann

4:15 Conference ends

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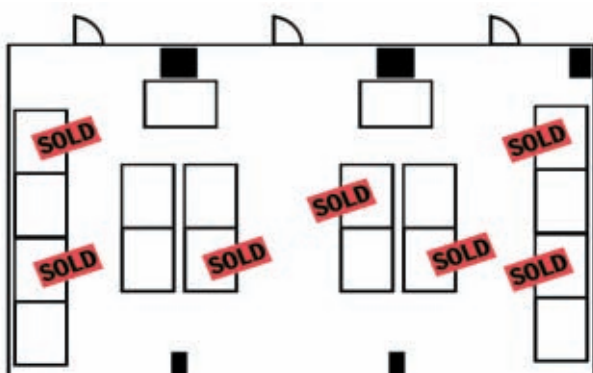
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