

irish renewable energy summit 2012

Delivering the economic opportunity

Thursday 23rd February 2012
Crowne Plaza Hotel, Santry, Dublin

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Delivering the economic opportunity from renewables

The Irish Renewable Energy Summit, now in its sixth year, has become firmly established as the annual conference for Ireland's renewable energy sector, and all those who interact with it. The 2012 Summit will once again bring together all the main players, from across Ireland, north and south, as well as those from further afield, for a day of networking and discussion around the key issues facing this increasingly important sector.

With the major European 20-20-20 by 2020 energy targets now less than a decade away, the development of renewables in Ireland continues to be a major policy priority at a national level. In addition to the European targets, Ireland has its own ambitious 40% renewable generation by 2020 target, which the Northern Ireland Executive also committed to in its 2010 Strategic Energy Framework. Current progress, with around 15% renewable electricity already achieved, indicates that the 2020 target is achievable, although with significant investment required.

However, it is accepted that in order to fully exploit Ireland's significant natural resources, which are among the best in Europe, other technologies need to be developed in addition to onshore wind, with the offshore wind, ocean energy and the bioenergy sectors all offering significant potential. As well as exploring other technologies, there is an imperative to look beyond just electricity generation – with a target of 12% renewable heat market penetration by 2020, work needs to be focused on initiatives to encourage the use of renewable energy in the domestic, commercial and industrial heating markets.

While the 2020 targets are a major focus, Ireland's renewable energy ambitions in the long-term are centred not just on meeting our own energy needs but in developing a renewable energy export market, which represents an important economic opportunity. The recent IEA World Energy Outlook shows that demand for energy is set to grow exponentially over the next 25 years and this represents a major export opportunity.

Irish Scottish Links on Energy (ISLES) Study

If Ireland is to become a major energy exporter, it will be vital to ensure we have the necessary infrastructure in place to facilitate this. The recent ISLES study has confirmed that the development of an interconnected transmission network within the next ten years would help drive growth in the renewables sector, create jobs, generate revenues and ensure future sustainable energy supplies by better connecting and exporting electricity. The ISLES study sets out the data and evidence around the financial, regulatory and technical challenges of building an offshore interconnected transmission network and subsea electricity grid to support generation from renewable sources in coastal waters off the coast of Ireland and Scotland.

There will be a dedicated session at the Summit examining the key issues around ISLES including:

- ✓ Implementing ISLES
- ✓ Infrastructure and technology
- ✓ Planning and regulation
- ✓ Markets



"Renewable energy will play a key role in developing Ireland's energy future. It will contribute to each of our policy goals of secure, clean and affordable energy."

Pat Rabbitte, TD
Minister for Communications, Energy & Natural Resources
speaking at Energy Ireland, June 2011

Developing Irish-Scottish

08.30 Registration & coffee

09.00 Building renewable energy links

Chairman's welcome and introduction: **Bob Hanna**
Chief Technical Advisor
Department of Communications, Energy & Natural Resources



MINISTERIAL ADDRESS

Investing in renewable energy: Delivering the economic and environmental benefits

Fergus O'Dowd, Minister of State, **Department of Communications, Energy & Natural Resources**

Examining the contribution of renewable energy to meeting the European 20-20-20 energy targets
Robert Lorentz, DG Energy, **European Commission**

Irish-Scottish links on energy study: Project update
PJ Rudden, Project Director, ISLES Project & President, **Engineers Ireland**

Roadmap to 2020: Towards 100% electricity from renewables
Colin Imrie, Head of Energy Division, **Scottish Government**

Questions & answers / Panel discussion

10.30 Morning coffee / Networking break

11.00 Grid infrastructure and technology

Developing a smart grid to facilitate high levels of renewables

Fintan Slye, Director, Operations, **EirGrid**

Taking a cluster approach to integrating renewables:

The Renewables Integration Development Project

Robert Wasson, Asset Management Director

Northern Ireland Electricity

Towards the new electricity age: Addressing the smart grid challenge

Gary O'Callaghan, Head of Energy Sector

Siemens Ireland Limited

Facilitating a decarbonised European power sector:

Promoting the policy agenda for a European Supergrid

Joe Corbett, **Friends of the Supergrid**

& Head of Technical Services,
Mainstream Renewable Power

The role of energy storage in capturing the economic benefits from renewable energy

Hermann Pengg-Bühlren, Chief Technical Officer, **Solarfuel GmbH**

Questions & answers / Panel discussion

13.00 Conference lunch / Networking break

WORKSHOP: Renewable energy options

11.00-12.30 Meeting room 9/10

Developing Ireland's bioenergy market

Barry Caslin, Bioenergy Specialist, **Teagasc**

Capturing the economic benefits of developing and investing in the bioenergy sector

Joe O'Carroll, Managing Director, **Imperative Energy**

Examining the role of renewable gas in meeting Ireland's renewable energy targets

Caroline Greene, **Bord Gáis Networks**

Waste-to-energy: Ireland's newest renewable energy source

Claire Downey, Energy & Waste Policy Analyst, **Indaver Ireland**

Questions & answers / Panel discussion

Links in Renewable Energy

14.00 Planning and regulation

Chair: **Laura Fosh**, Client Manager, Environment
Gemserv

Winning the arguments for renewable energy
Brian Motherway, Chief Operations Officer,
Sustainable Energy Authority of Ireland

Developing the regulatory framework for renewable energy
Denis Cagney, Director of Gas, Legal and Renewables,
Commission for Energy Regulation

Planning and social (un)acceptance of wind energy projects
Jim Gannon, Associate Director,
RPS Group

Questions & answers / Panel discussion

15.15 Afternoon coffee / Networking break

15.30 Renewables in changing energy markets

Integrating renewables into changing electricity markets
Richard Linger, Associate Director, **Pöyry Management Consulting**

Harnessing variable renewables: A guide to the balancing challenge
Simon Müller, Renewable Markets and Policies Analyst, **International Energy Agency**

Trading wind in energy markets
Steve Hornsby, Partner, Asset Management Solution Area, **IBM Global Business Services**

Questions & answers / Panel discussion

16.30 Chairman's summary and conference close

WORKSHOP: Meeting the renewable heat challenge

14.00-14.45 Meeting room 9/10

Chairman & introduction: **Pearse Buckley**,
Programme Manager, **Sustainable Energy Authority of Ireland**

Addressing the economic, technical and regulatory barriers to developing renewable heat
Mike Dolman, Energy Consultant, **Element Energy**

Developing the market for low-carbon heating solutions
Neil Stewart, Managing Director, **Dimplex Renewables**

Renewable heat incentive: Increasing the contribution of renewable heat towards meeting energy targets
Speaker tbc, **Department of Energy & Climate Change, GB**

Questions & answers / Panel discussion

Not-to-be-missed annual conference!

Make sure your organisation is represented at Ireland's major annual conference for the renewable energy sector and to hear speakers from:

DCENR • International Energy Agency • European Commission
ISLES Project • Siemens • EirGrid • Northern Ireland Electricity
Scottish Government • Commission for Energy Regulation
SEAI • Friends of the European Supergrid
Bord Gáis Networks • Queen's University, Belfast

The annual Irish Renewable Energy Summit represents a major networking opportunity and is a must-attend conference.

speaker panel



Denis Cagney is the Director of Gas, Environment and Legal Affairs at the Commission for Energy Regulation (CER). His division is in charge of all aspects of promoting and regulating renewable generation, including its interface with the SEM design and rules, PSOs, guarantees of origin, certification of high efficiency CHP etc. Prior to joining CER, Denis worked at Matheson Ormsby Prentice Solicitors, with the European Commission and with the Department of Finance.



Barry Caslin is Bioenergy Specialist at Teagasc. Barry holds a BAgSc from UCD and a Masters in Environmental Protection from Sligo IT. Since 2006 Barry has been based at Oak Park, Crops Research Centre, Carlow where he is responsible for advancing Teagasc's role in the bioenergy sector. Barry has several years experience in animal and crop production and practical agriculture. In addition to co-ordinating Teagasc presentations and presence at external events, Barry offers practical advice on cropping options and opportunities for adding value on-farm. Barry is a member of the EU BC&E International Scientific Committee. Prior to his appointment at Oak Park he worked in the Teagasc advisory service.



Joe Corbett is Head of Technical Services at Mainstream Renewable Power. Joe is a professional engineer with more than 28 years experience in transmission systems from design, construction, maintenance and utility management. Prior to joining Mainstream he was general director of a national transmission company and system operator in Eastern Europe. Joe joined Mainstream in 2008 and is currently responsible for Mainstream's engineering, grid strategy and business technology disciplines.



Mike Dolman is a senior consultant at Element Energy, an energy consultancy working across the low carbon transport, buildings and power generation sectors. Mike specialises in the low carbon buildings sector, providing strategic advice to a range of public and private sector clients. Mike has led a number of studies on renewable heat, including investigation of barriers to deployment (for the Committee on Climate Change) and modelling uptake of renewable heat in Scottish dwellings.



Claire Downey joined Indaver in 2006 and has been responsible for connecting, licensing, compliance and the commercial strategy for electricity from Ireland's first waste-to-energy facility. She is a member of a European energy working group with the industry body, CEWER, and uses experiences from Europe to help support national waste, energy & climate change policy in Ireland.



Jim Gannon is an Associate Director with RPS Group leading the renewable energy business in the firm's Dublin office. His brief spans energy policy and regulation, infrastructure development, and due diligence for clients across Ireland and the UK. He performed the role of moderator for the International Energy Agency Task 28 'Social Acceptance of Wind Energy Projects' workshop in Ireland in September 2010. He Chairs the Energy and Environment Division of Engineers Ireland and serves as an External Examiner to the MSc in Renewable Energy Systems at DKIT.



Bob Hanna is Chief Technical Advisor with the Department of Communications, Energy and Natural Resources. He was previously Advisor to Sustainable Energy Ireland, Commercial Manager with Premier Power and General Manager of NIE's international business. He has also held positions with the former National Board for Science & Technology and the ESB. He is a chartered energy engineer.



Colin Imrie is Head of the Scottish Government's Energy Division, covering Scottish Government's interests in energy market policy and regulation, fossil fuels and CCS, renewable energy, energy efficiency, energy resilience and the low carbon economy. He supports the work of the Scottish Energy Advisory Board and its industry advisory groups on oil and gas and thermal generation and CCS. He also leads on Scottish international low carbon work, and coordinates European Union related work on energy and climate change for the Scottish Government.



Robert Lorentz is currently Policy Officer in the Renewables Policy Unit of the European Commission. He is a former advisor to the German Federal Environmental Ministry on international cooperation in the field of renewable energy and has held various other posts in the federal government, including the German emissions trading authority. He has worked as an assistant to a Member of the environmental committee of the German Bundestag and as associate researcher at the London based think-tank Policy Network.



Dr Brian Motherway is Chief Operations Officer and Head of Strategy and Innovation in the Sustainable Energy Authority of Ireland. He is responsible for SEAI's work on strategy, policy and analysis, primarily in energy efficiency and smart economy issues. Prior to joining SEAI in 2006 he was a consultant on energy and environmental policy. Brian holds Bachelors and Masters degrees in Engineering and a PhD in Sociology.



Gary O'Callaghan is Head of Energy Sector in Ireland with Siemens Limited, having joined Siemens in 1992, where he first worked in enterprise communications, selling solutions and applications to Irish businesses. In 2004 he moved to work in the energy sector – power transmission and distribution, which was later brought together within Siemens along with power generation to become the company's 'Energy Sector'. Gary previously worked in ESB and in the IT sector.



Joe O'Carroll is Managing Director with Imperative Energy. He has 16 years experience in the agri/energy industry in Ireland, UK, USA, central America and East Africa, covering senior management roles in both public and private sector organisations. He is a Board Member of the Biorefinery & Bioenergy competence Centre, a national R&D programme funded by the Irish Government to drive bioenergy innovation.



Fergus O'Dowd is Minister of State at the Department of Communications, Energy & Natural Resources and has responsibility for the NewEra project. He is a TD for the Louth constituency and lives in Drogheda, where he has held office as Mayor on three occasions. He was elected to the Seanad in 1997 and elected to the Dáil in 2002 – he was named TD of the year by Magill magazine in 2007 for his campaign in exposing abuses in Irish nursing home care.



Hermann Pengg-Bührlen is Chief Technology Officer at Solarfuel GmbH, Stuttgart; he is responsible for patents and R&D. Before that, he co-founded a company operating in the biomass field and ramped up a solar technology department for a roof building company. For more than ten years, he worked in senior management positions in four multinational industrial and management consulting companies.



PJ Rudden is Group Business Director for RPS and chairs the all Ireland Strategy Board for RPS. He is consultant to EirGrid for transmission network upgrades to facilitate renewable energy connections and to Coillte on wind farm development. He is also Project Director for the Irish-Scottish Links on Energy Study (ISLES) on Offshore Renewables for the three Governments of the coasts of Scotland, Ireland & Northern Ireland. He is currently President of Engineers Ireland.



Fintan Slye assumed the position of Operations Director at EirGrid in January 2007. For the previous two years, Fintan worked for McKinsey & Co in its Dublin office. Prior to that, he held a number of project and management roles in ESB National Grid and ESB International. Fintan completed a Masters in Business Administration from UCD in 2001 and a Masters in Engineering Science in 1993.



Neil Stewart is Managing Director of Dimplex Renewables, a new business unit set up by the Glen Dimplex Group in 2010 to focus on developing a successful renewables business in the UK and Ireland. This includes a major investment in two new manufacturing facilities and two new R&D laboratories for renewables in Ireland. Neil was previously responsible for the Seagoe Technologies electric heating business and latterly had responsibility for all manufacturing and logistical operations for the Glen Dimplex Heating Division in the UK.



Stephen Woodhouse is a Director with Pöyry Management Consulting. He is an expert on energy market reform, ranging from policy design to the implementation of systems and procedures for participants; the economics of transmission and interconnection and market regulatory policy; with a focus on the Irish electricity and gas markets. He directs Pöyry's multi-client projects investigating the market implications of intermittent generation, and is working on other aspects of renewable integration and smart energy initiatives.



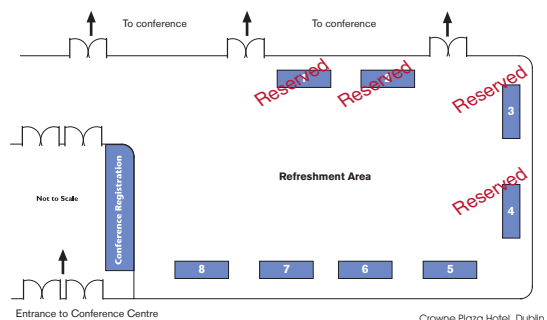
Robert Wasson was appointed as Northern Ireland Electricity's Asset Management Director in 2011. He led the post-merger process after the acquisition of NIE by ESB in 2010. An Electrical and Electronic Engineering graduate of QUB, Robert's initial career was in ESB and ESB International, where he held a number of senior roles both in Ireland and overseas. In 1999 Robert moved to the consulting sector, where he led KPMG's organisational review practice in Ireland.

Exhibition opportunities at the Summit



There are a limited number of excellent opportunities to exhibit at the Irish Renewable Energy Summit. The Summit brings together the entire renewable energy community, along with the wider energy sector so the opportunity to make an impression on this key audience is not to be missed. A physical presence is an excellent way of promoting business development and highlighting expertise to an important stakeholder audience.

For further information contact
Brendan McClean, Energy Ireland: Tel: +353 (0)1 661 3755.



registration form

I wish to

Reserve _____ delegate places at the conference

Conference delegate fee €245 + VAT@23% = €301.35

Fee includes documentation, lunch and other refreshments served during the conference and is payable in advance. Fee does not include delegate accommodation or travel.

Receive details of exhibition opportunities at the conference

Personal details

Name: _____

Job title: _____

Organisation: _____

Address: _____

Telephone: _____

Fax: _____

Email: _____

Value Added Tax

*As the conference is held in the Republic of Ireland, VAT is applicable @ 23% for all delegates, including those attending from outside the Republic of Ireland. This position has been verified by the Revenue Commissioners.

Cancellations / Substitutions

For those unable to attend, a substitute delegate may be sent at any time for no additional charge. Alternatively a refund will be given for cancellations received in writing, by fax or letter, up to 14 days prior to the conference, less an administration charge of 25% plus VAT. Regrettably no refunds can be made after that date.

Payment options

I enclose a cheque for € _____
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Acknowledgement of registration

Confirmation of registration will be sent to all delegates. Joining instructions will be sent out following receipt of registration details. If you have not received your acknowledgement seven days prior to the start of the conference, please contact Cathy Glenn at cathy.glenn@energyireland.ie to confirm your booking.

How to register...



By telephone
+353 (0)1 661 3755



By fax
+353 (0)1 661 3786



By post
bmf Business Services
Clifton House
Lower Fitzwilliam Street
Dublin 2



Online
www.energyireland.ie



By email
bookings@energyireland.ie

Who should attend?

The Irish Renewable Energy Summit will be of interest to anyone involved with energy policy and the key issues facing the future of energy supply in Ireland. Renewable energy developers, energy companies, policy-makers and energy users should all find the Summit interesting and valuable. It will be of particular interest to:

- Energy sector executives
- Government departments and agencies
- Policy-makers
- Regulators
- Economists
- Renewable energy developers
- Large energy users
- Energy agencies
- Environmental managers / consultants
- Legal and financial advisors
- Technical consultants

Benefits of attending

Delegates attending the Irish Renewable Energy Summit will:

- ✓ Hear latest government policy for the renewable energy sector
- ✓ Receive an update on the ISLES project
- ✓ Understand the key issues around renewable integration
- ✓ Discuss developments in the renewable heat and bioenergy markets
- ✓ Be briefed on the planning and social issues around developing renewables

