



ENERGY IRELAND[®] 2023

Towards an integrated, clean and secure energy system

11-12th May 2023



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Towards an integrated, clean and secure energy system

The energy sector is leading the way in Ireland's decarbonisation to net zero by 2050. The energy transition will see an acceleration in the development of renewable energy and the increased electrification of the heat and transport sectors. In electricity, wind energy – both onshore and offshore – will have the main role, with solar also playing an important role. This year has also seen a dramatic rise in natural gas prices globally and the security of supply of Ireland's electricity grid has come under the spotlight. This comes against a backdrop of a fast-growing economy that is rebounding from the pandemic. However, not every sector will be suitable for clean electricity, particularly many transport and heating applications. The decarbonisation of the gas network is gathering pace. Biomethane is now beginning to play a role and the prospect of green hydrogen offers Ireland an opportunity to optimise its renewable energy resources. This year's conference will bring all these threads together to look at Ireland's energy future.



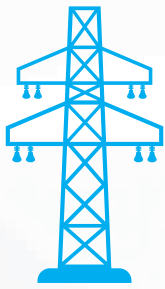


Energy Ireland 2023 will bring together all the key stakeholders in the Irish energy sector to discuss and debate the key drivers of the energy transition and energy security. It will look forward to the developments that will decarbonise Ireland's increasingly integrated energy system.

Book your place at Energy Ireland® 2023 now to ensure that your organisation benefits from the insight of our expert panel of speakers as it discusses the impacts of the latest sectoral developments and new policy direction. The conference also offers an opportunity to once again network with industry colleagues and establish new relationships. We look forward to seeing you on 11 and 12 May.

Key themes for the 2023 conference

- ✓ Geopolitical context to the energy transition
- ✓ Improving Ireland's energy security
- ✓ Developing Ireland's offshore wind energy resources
- ✓ Future electricity system development
- ✓ Decarbonising Ireland's gas network
- ✓ Role of renewable energy technologies in the energy transition
- ✓ Planning system and energy infrastructure delivery
- ✓ Ireland's energy future including green hydrogen



Ireland's largest annual energy conference

Energy Ireland® is the largest and most established energy conference on the island of Ireland. It is attended annually by all the key stakeholders in the Irish energy sector, as well as global players who require an insight into its evolution and growth.

Each year, the conference examines the latest developments in the Irish energy sector by way of an expert panel of speakers, including local industry leaders, policymakers, and regulators. In addition, the conference regularly attracts prestigious international speakers who provide wider European and global perspectives. Energy Ireland® is firmly marked in the calendar of anyone aspiring to stay up to date with the latest developments across the Irish energy industry.

Follow us on Twitter **@energyireland** for conference updates.

10 reasons you should book your place now!

1. Ireland's major annual energy conference is attended by all key stakeholders.
2. Listen to Ireland's energy minister.
3. Hear Ireland's energy leaders in dialogue.
4. High profile international experts provide their perspective.
5. In-depth policy briefings.
6. One-stop-shop for the Irish energy sector's latest developments.
7. Network with over 300 delegates across two days.
8. Regular opportunities to engage in Q&A.
9. Access to high level presentations after the conference.
10. Complimentary copy of the Energy Ireland Yearbook 2023.

Energy Ireland programme overview: Plenary and parallel sessions

Clean, secure and integrated

The opening session at this year's conference will look at the strategic issues impacting on Ireland's energy sector. The energy sector faces a challenging emissions reduction target of 51 per cent by 2030. Rising energy prices and an increased urgency for climate action in the public consciousness has meant a much higher profile for energy policy. This session will look at both European and Irish policy priorities and actions to achieve emissions reduction ambitions for the sector.

The new energy landscape

This session will look at the new energy landscape. The Russian invasion of Ukraine and the pressing climate crisis is accelerating the energy transition to net zero carbon. There will be two expert presentations detailing the issues shaping the new energy landscape which will then be followed by a discussion panel of leaders in the Irish energy sector.



Ireland's energy security

The Russian invasion of Ukraine led to a spike in energy prices and a renewed focus on energy security across Europe. The outworking of this has been an increased ambition and acceleration of renewable energy development. In addition to looking at supply issues the session will also examine high demand users on the electricity system.

Financing and funding

Much of the capital available in international markets has now been earmarked as 'green' and will be a critical source of finance for new energy projects in Ireland. The session will consider the sources of such funding and also the financing of energy projects, including the main risks and how they are managed (regulatory risk, planning risk, grid risk and market risk).

Planning for energy infrastructure

Planning is a key issue for the delivery of all energy infrastructure. A study by ESRI has determined that planning delays have an impact on RES-E rollout and delays increase costs, emissions and prices in particular. This session will take the format of a discussion panel to look at ways of improving the planning process.

Sustainable heat and renewable gas

Heating and cooling have proved to be difficult to decarbonise to date. SEAI's National Heat Study highlighted the current reliance on fossil fuels in the heating sector. This session will detail the Government's policy and actions to decarbonise the heating and cooling sector and the role of district heating. There will also be an increasingly important role of power-to-heat and the use of biogas in future years.

Offshore wind energy

Ireland has increased its ambition for offshore wind development by 2030 to 7GW, including 2GW earmarked for green hydrogen production. To achieve this the Government has set up the Offshore Wind Delivery Taskforce and will hold the first offshore wind auction under the Renewable Electricity Support Scheme (RESS 1) later this year. The setting up of the Maritime Area Regulatory Authority (MARA) represents a key milestone in delivering Ireland's offshore wind energy ambitions.

Electricity network and market

Electricity has led the way in decarbonising the energy sector to date. Electricity networks are undergoing a revolution with the increase in the amount of intermittent renewable energy from distributed sources on the grid. Electricity markets across Europe face the prospect of significant reform, with the European Commissions proposed review of EU electricity market rules, due to the "new realities of dominant renewables" and higher gas prices.



ENERGY IRELAND[®]

Visiting experts for 2023



Matthew Baldwin, Deputy Director-General DG ENER, European Commission

Matthew Baldwin was appointed as Deputy Director-General in DG ENER, the energy department of the **European Commission**, on 1 June 2022. There he is responsible for the Energy Platform Task Force which aims to end the EU's dependence on Russian gas as soon as possible. He has served in the European Commission for over 20 years. He was previously Deputy Director General in DG MOVE for 6 years, where he ran the Commission's Horizon Europe Mission for 100 Climate Neutral and Smart Cities by 2030, and also served as the EU coordinator for road safety and sustainable urban mobility. He was previously Director for Aviation in DG MOVE, and Director for Market Access in DG Trade. He served in the Cabinet of President Barroso from 2007-9 as Advisor on energy, climate change, trade and development. He was Deputy Chef de Cabinet to Commissioner Lamy from 1999-2004, and Chef de Cabinet to Commissioner Hill from 2014-16. His principal professional interests are in energy, transport, trade negotiation, and climate change.



Caroline Kuzemko, Reader in International Political Economy, University of Warwick

Caroline Kuzemko is Reader in International Political Economy at the **University of Warwick**. Her work explores the various roles of politics, and policy, in enabling, constraining, and shaping sustainable transformations at international, national, and local scales. Her publications include books on *The Global Energy Challenge: Environment, Development and Security*, and *The Energy Security-Climate Nexus: Institutional Change in the UK and Beyond*. She previously worked at UBS in Latin American equities.



Anouk Honoré, Senior Research Fellow Oxford Institute for Energy Studies

Anouk Honoré is a Senior Research Fellow & Deputy Director of the Gas Research Programme at the **Oxford Institute for Energy Studies**. At the OIES, her research focuses on gas market fundamentals in Europe with a particular emphasis on gas demand, energy and decarbonisation policies in the European Union and in individual countries, power generation and the decarbonisation of the heating sector.



Paul Münnich, Director, Agora Energiewende

Paul Münnich works as a Project Manager at Agora Industry. His main topics are the decarbonisation of industrial heat and the transformation of the chemical industry. Before joining German energy think tank **Agora Energiewende**, he worked on the transformation of the chemical industry as a research assistant at the Chair of Technical Thermodynamics at RWTH Aachen University. Paul Münnich holds a B.Sc. in Mechanical Engineering and an M.Sc. in Chemical Engineering and studied in Aachen (Germany), Haifa (Israel) and Lausanne (Switzerland).

Hear the latest from Irish industry leaders



Paddy Hayes

Chief Executive
ESB



Aoife MacEvilly

Commissioner
**Commission for
Regulation of Utilities**



Cathal Marley

Chief Executive Officer
Gas Networks Ireland



Klair Neenan

Managing Director
SSE Airtricity



Dave Kirwan

Managing Director
Bord Gáis Energy



John Reilly

Head of Renewable
Energy
Bord Na Móna



Tanya Harrington

Chairperson
Renewable Energy Ireland



**Brian Ó
Gallachóir**

Director, **MaREI Centre,**
University College Cork



Joanne Moran

Generation Director,
Energy & Power
Jacobs



William Walsh

Chief Executive Officer
**Sustainable Energy
Authority of Ireland**

Day 1: Thursday 11th May 2023

09.00 Chair's welcome and introduction:
Tanya Harrington, Chairperson, **Renewable Energy Ireland**

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09.05 IRELAND'S ENERGY FUTURE: INTEGRATED, CLEAN AND SECURE

MINISTERIAL ADDRESS:

Ireland's energy policy priorities

Eamon Ryan TD, Minister for Environment, Climate and Communications



Secure, sustainable and competitively priced energy for Europe

Matthew Baldwin, Deputy Director-General, DG Energy, **European Commission**

A regulatory framework for Ireland's energy transition

Aoife MacEvilly, Commissioner, **Commission for Regulation of Utilities**

Ireland's clean energy transition: the heat challenge

William Walsh, Chief Executive Officer, **Sustainable Energy Authority of Ireland**

Question & answer session / Panel discussion

10.45 COFFEE/EXHIBITION NETWORKING BREAK

11.15 THE NEW ENERGY LANDSCAPE

Geopolitics of European Energy Policy: Russia-Ukraine war and Brexit

Caroline Kuzemko, Reader in International Political Economy, **University of Warwick**

Accelerating towards a more secure and sustainable energy system

Brian Ó Gallachóir, Director, **MaREI Centre**, **University College Cork**

Question & answer session

12.00 PANEL DISCUSSION: THE NEW ENERGY LANDSCAPE

Paddy Hayes, Chief Executive, **ESB**

Dave Kirwan, Managing Director, **Bord Gáis Energy**

Cathal Marley, Chief Executive Officer, **Gas Networks Ireland**

Klair Neenan, Managing Director, **SSE Airtricity**

John Reilly, Head of Renewable Energy, **Bord na Móna**

13.00 CONFERENCE LUNCH

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14.00 ADDRESSING IRELAND'S ENERGY SECURITY

The outlook for the European gas market: implications for Ireland

Anouk Honoré, Senior Research Fellow, **Oxford Institute for Energy Studies**

Addressing energy security and the transition to a low carbon system

Colm O'Neill, Partner, **KPMG**

Green hydrogen: securing Ireland's sustainable energy future

Niamh Callanan, Business Development, Energy Transition, **Irving Oil** [invited]

Michael Galvin, Director of Hydrogen and Sustainable Fuel, **Simply Blue Group**

Energy security and datacentres

Paul Deane, Research Fellow, **University College Cork**

Question & answer session/ Panel discussion

Day 1: Thursday 11th May 2023

15.30 COFFEE/EXHIBITION NETWORKING BREAK

15.45 FINANCING AND FUNDING THE ENERGY TRANSITION

Energy market developments to support Ireland's energy transition

Niamh McGovern, Partner, **Arthur Cox**

Green funding: Financing Ireland's energy transition

Speaker tbc, **Goodbody**

Question & answer session / Panel discussion

15.45 PLANNING FOR ENERGY INFRASTRUCTURE

PANEL DISCUSSION

Chair: **Stephen Robb**, Renewable Energy Editor, **Irish Farmers Journal**

Muireann Lynch, Senior Research Officer

Economic & Social Research Institute

Joanne Moran, Generation Director

Energy & Power, **Jacobs**

Senior representative, **An Bord Pleanála**

17.00 ENERGY IRELAND DRINKS RECEPTION

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Day 2: Friday 12th May 2023

09.00 DISCUSSION PANEL: IMPROVING GENDER DIVERSITY IN THE ENERGY SECTOR

Chair: **Caoimhe McLoughlin**, Partner, **KPMG**

Tanya Harrington, Chair, **Renewable Energy Ireland**

Catherine Sheridan, Head of Strategy, **Green Rebel**

Hosted by



10.00 SUSTAINABLE HEAT & RENEWABLE GAS

Chair: Úna Nic Giolla Choille

Decarbonising Ireland's heat demand: the role of district heating and renewable heat

Barry Quinlan, Assistant Secretary

Department of the Environment, Climate and Communications

Power-2-Heat: emissions reduction for industry

Paul Münnich, Project Manager

Agora Energiewende

Liquid Gas: making the 'Just Transition' more sustainable for rural Ireland

Philip Hannon, Director of Policy

Liquid Gas Ireland

Question & answer session / Panel discussion

10.00 DEVELOPING IRELAND'S OFFSHORE WIND RESOURCES

Details coming soon



11.00 COFFEE/ EXHIBITION NETWORKING BREAK

Day 2: Friday 12th May 2023

11.30 ELECTRICITY NETWORK AND MARKET DEVELOPMENT

Chair: Úna Nic Giolla Choille

Energy networks for a cleaner future

Andrew Hickey, Commercial Manager, **Hitachi Energy Ireland**

Multi-purpose interconnectors: A new generation of interconnector

Andy Kelly, Director, **AFRY**

Electricity market developments

Richard Murphy, Partner, **Pinsent Masons**

A secure and sustainable electricity future

Rodney Doyle, Chief Operating Officer, **EirGrid** [invited]

Interconnection: Facilitating a renewable energy future

Simon Ludlam, Chief Executive Officer, **MaresConnect Interconnector**

Question & answer session / Panel discussion

13.00 LUNCH AND EXHIBITION NETWORKING BREAK

14.00 IRELAND'S FUTURE ENERGY ECONOMY

Chair: Catherine Sheridan, Head of Strategy, **Green Rebel**

Providing Ireland with sustainable energy from renewable sources at scale

Brendan Kelly, Commercial Manager, **Bord na Móna**

Scaling up the green hydrogen sector

Friederike Altgelt, Team Leader, Hydrogen Markets and Regulation, **German Energy Agency** [invited]

Accelerating solar as a major energy source

Peter Russell, Director, **Huawei FusionSolar & Storage Ireland**

Sinn Féin energy policy priorities

Darren O'Rourke TD, **Sinn Féin**

Question & answer session / Panel discussion

FIRESIDE CHAT

Supergrid, Super Solution: The key to solving the energy crisis and decarbonising Europe

Kevin O'Sullivan, Environment Editor, **Irish Times** and Ciarán Galway, Editor, **eolas Magazine**

16.00 ENERGY IRELAND CONFERENCE CLOSE





Matthew Baldwin was appointed as Deputy Director-General in **DG ENER**, the energy department of the **European Commission**, on 1 June 2022.

There he is responsible for the Energy Platform Task Force which aims to end the EU's dependence on Russian gas as soon as possible. He has served in the European Commission for over 20 years. He was previously Deputy Director General in DG MOVE for 6 years, where he ran the Commission's Horizon Europe Mission for 100 Climate Neutral and Smart Cities by 2030, and also served as the EU coordinator for road safety and sustainable urban mobility. He was previously Director for Aviation in DG MOVE, and Director for Market Access in DG Trade. He served in the Cabinet of President Barroso from 2007-9 as Advisor on energy, climate change, trade and development. He was Deputy Chef de Cabinet to Commissioner Lamy from 1999-2004, and Chef de Cabinet to Commissioner Hill from 2014-16. His principal professional interests are in energy, transport, trade negotiation, and climate change.



Paul Deane is a research fellow at **UCC's Environmental Research Institute** and a fellow at the Payne Institute, Colorado School of Mines. He is a scientific advisor to a number of

international research projects on clean energy futures. His research focuses on scientific methods to understand future energy systems.



Michael Galvin is a chartered chemical engineer with extensive management, operations, business development, project delivery and commercial experience. He has over 17

years' experience in the Energy Industry working for several multi-national corporations. Michael began his career in the Oil & Gas industry, in the production of conventional and renewable transport fuels. Michael has joined the **Simply Blue** Team to manage our Green Hydrogen and Sustainable Fuels portfolio, where he will develop environmentally friendly fuel production facilities of the future. His team are currently busy working on technical and commercial feasibility studies for new project concepts. His projects will focus on Power-to-X, Green H2 and biofuels. Michael and his team will continue to develop and nurture relationships with our strategic partners and stakeholders.



Paddy Hayes is Chief Executive of **ESB**, a leading Irish energy company operating throughout Ireland and the UK. ESB aims to create a brighter, low-carbon, future for the customers and

communities it serves, investing in technologies, infrastructure and services to support the clean energy transition. Before his appointment as Chief Executive in 2021, Paddy headed up two of ESB's main operating divisions as Executive Director of ESB's Generation and Trading business and then as Managing Director of ESB Networks. He was formerly a board member of the association of European Distribution System Operators (E.DSO) and co-chair of the European Distribution-Transmission Cooperation Platform. Paddy is a Chartered Engineer with degrees in engineering from UCD and an MBA from the University of Warwick. Before moving to the energy sector in 1999, to lead the Synergen joint venture between ESB and Statoil, he worked with British Steel in the UK.



Philip Hannon is Policy Director at **Liquid Gas Ireland (LGI)**, the representative body for the LPG and BioLPG sector in Ireland. He leads the Association's policy advocacy and communication

efforts at national and local level, which includes reinforcing the role that lower carbon and renewable gaseous fuels play in Ireland's decarbonisation journey, particularly for rural consumers and businesses. He has over 25 years' experience in corporate communications and public affairs. He was a Ministerial Special Advisor in five separate Government Departments, across two administrations. For almost a decade, he was Communications and Public Affairs Manager at the Irish Pharmaceutical Healthcare Association, the representative body for the international research based pharmaceutical industry in Ireland.



Tanya Harrington is Chief Regulatory Officer at An Post. In this role, she leads the development and implementation of the

Company's comprehensive and integrated public policy and regulatory strategy and related engagement with stakeholders at international, EU and domestic levels of governance. Outside of her role with An Post, she is Chairperson of **Renewable Energy Ireland**, an open partnership of sustainable energy associations working collectively to support the energy transition in Ireland. She is a Member of Chapter Zero Ireland, the Irish Chapter of the Climate Governance Initiative, developed in collaboration with the World Economic Forum. Tanya holds a Doctorate in Governance, focused on accountability and institutional design for cross-jurisdictional regulatory governance, awarded by the School of Law, QUB.



Andrew Hickey is Commercial Manager at **Hitachi Energy** Ireland providing sustainable energy solutions that facilitate reliable and efficient system integration of the future digital

electric grid. Andrew has 20 years of industry experience, including five years of delivering electrical systems and grid interconnection across multiple sectors. Currently focused on the energy transition to support the development of innovative grid and power quality solutions to help form the future networks.



Anouk Honoré is a Senior Research Fellow & Deputy Director of the Gas Research Programme at the **Oxford Institute for Energy Studies**. At the OIES, her research focuses

on gas market fundamentals in Europe with a particular emphasis on gas demand, energy and decarbonization policies in the European Union and in individual countries, power generation and the decarbonization of the heating sector.



Andy Kelly is a Director at **AFRY Management Consulting**, with more than 20 years' commercial experience in wholesale power and energy markets throughout Europe. Andy leads AFRY's commercial work in the Irish

energy markets, supporting clients in understanding the effects of the energy transition and addressing their strategic responses as a result. He has a deep understanding of the commercial aspects of the energy and trading markets and works with private and public sector clients across the sector, including utilities, developers, investors, lending banks and policy makers.



Brendan Kelly is the Head of Commercial at **Bord na Móna** Renewable Energy and is responsible for developing commercial strategies and full commercialisation of Bord na

Móna's 2GW+ development pipeline. He is also leading the diversification strategy for the company specifically in the areas of Offshore Wind, Energy Parks, Renewable Gas, Power to X, and Flextech. Brendan has over 12 years' experience in the Utility and Energy sector. Prior to joining Bord na Móna, Brendan held several senior management positions with Smart Wires, an Energy Technology company, based out of the Bay Area in California. At Smart Wires, Brendan was responsible for development of the EMEA business and subsequently led the company's business expansion into the Canadian market. Brendan also previously held senior engineering roles at EirGrid, the Irish TSO, most notably leading the design of Grid Connections for over 2GW of wind generators to the Irish system.



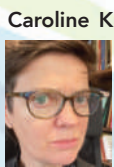
ENERGY IRELAND®

speakers



Dave Kirwan is Managing Director of **Bord Gáis Energy**. He previously worked with Centrica in the UK as MD of the UK Customer Operations and latterly MD of the UK Home business.

Dave was responsible for leading the Bord Gáis Energy business through the successful sale to Centrica in 2014 having worked with BGE for 15 years prior to that, where he was responsible for the launch of its Northern Ireland business, Firmus Energy, the development of the Whitgate power station and the acquisition and subsequent merger of the SWS wind business. Dave holds a BE electronics from UCD and is a Fellow of the Institute of Engineers of Ireland, he also holds an MBA and a doctorate in business economics (DBA) from UCC. Dave also serves on the Centrica Group Executive Committee.



Caroline Kuzemko is Reader in International Political Economy at the **University of Warwick**. Her work explores the various roles of politics, and policy, in enabling, constraining, and shaping sustainable transformations at international, national, and local scales. Her publications include books on The Global Energy Challenge: Environment, Development and Security, and The Energy Security-Climate Nexus: Institutional Change in the UK and Beyond. She previously worked at UBS in Latin American equities.



Simon Ludlam is an experienced energy professional, currently CEO at **MaresConnect**, a 750MW interconnector project linking GB and Ireland. He has originated and led several interconnector projects in northwest Europe, including the €500m Greenlink interconnector and the €600m ElecLink project. Simon is the founder of Etchea Energy, a developer of energy projects supporting the green transition. He previously worked in investment banking and private equity.



Muireann Lynch is a Research Officer in the Economic Analysis division of the **Economic and Social Research Institute**. She joined the Institute in 2014. Muireann holds a degree in Mathematics and Economics from Trinity College Dublin and a PhD from the School of Electronic and Electrical Engineering in UCD. She has published numerous research articles in diverse areas of energy economics and has co-authored submissions to various public consultations and Government Departments. Muireann is also a Funded Investigator with the Energy Systems Integration Partnership Programme and coordinates emerging research focused on the modelling and integration of electricity, gas, heat and water systems. Muireann's research interests include electricity market regulation, power system economics and renewable generation integration and her research methodologies include stochastic mathematical programming, optimisation and game theory.



Aoife MacEvilly has been a member of the **Commission for Regulation of Utilities (CRU)** since October 2014. Her lead responsibilities include empowering and protecting customers, supporting active customers and communities and the future role of gas in a secure, decarbonised energy system. Aoife previously worked in the Department of Environment, Climate and Communications and in the private sector. She holds a BA in European Business and German from Ulster University, a Professional Diploma in Regulatory Governance from UCD and an MA in Leadership from UCD Smurfit.



Cathal Marley is the Chief Executive Officer of **Gas Networks Ireland**, the semi-state organisation responsible for operating Ireland's €2.7 billion, 14,664km national gas network, serving over 720,000 customers nationwide, and focused on delivering on its critical role in energy security while transitioning to transporting renewable gases through its network. He has over 20 years' experience in the utilities and infrastructure sector, having previously worked in senior roles across the electricity and water industries. Cathal holds an MBA from the Michael Smurfit Business School, UCD, is a Fellow of the Institute of Chartered Accountants, a Board member of the IMI, a member of the DCU Governing Authority and a Board member of Swim Ireland. His early career was spent with EY in Dublin and Eastern Europe.



Niamh McGovern is an energy and construction partner at **Arthur Cox**. Niamh has a broad skillset in this area and routinely advises developers, sponsors, banks and public bodies on energy projects in Ireland.



Caoimhe McLoughlin is a tax partner at **KPMG** who advises a broad range of clients on Irish and international tax matters. Her clients include large privately held family businesses, public companies, high net worth individuals and families. Caoimhe also has extensive M&A experience, advising on due diligence, complex financing transactions and structuring of Irish and international acquisitions and expansion. She regularly leads multi-jurisdictional teams in delivering solutions for her clients on large scale transactions. Caoimhe has Bachelor of Commerce International and a Masters in Accounting from National University of Ireland, Galway. She is also a Fellow of the Institute of Chartered Accountants of Ireland (FCA) and a member of the Irish Taxation Institute (CTA).



Joanne Moran heads **Jacobs Energy & Power Generation** team in Europe, delivering projects and solutions for onshore and offshore wind, hydrogen, solar, battery storage and geothermal. She has over 20 years' experience in the infrastructure sector, with a large proportion of this focussed on developing renewable energy projects. She previously led the Jacobs Infrastructure Growth & Sales team in Ireland.



Paul Münnich works as a Project Manager at **Agora Industry**. His main topics are the decarbonisation of industrial heat and the transformation of the chemical industry. Before joining Agora Energiewende, he worked on the transformation of the chemical industry as a research assistant at the Chair of Technical Thermodynamics at RWTH Aachen University. Paul Münnich holds a B.Sc. in Mechanical Engineering and an M.Sc. in Chemical Engineering and studied in Aachen (Germany), Haifa (Israel) and Lausanne (Switzerland).



Richard Murphy is a Partner and Head of Energy (Ireland) at **Pinsent Masons LLP**. His energy expertise and experience includes advising clients on a range of regulatory, advisory and transactional matters. Richard is rated as a leading individual for energy work in both Chambers UK and the Legal 500. Richard sits on the Northern Ireland Renewables Industry Group Committee (NIRIG) and is a regular speaker at energy industry events and conferences.



Klair Neenan is Managing Director of **SSE Airtricity**, supplier of green energy, natural gas and energy related services to over 700,000 homes and businesses, with responsibility for leading the retail operation of SSE plc on the island of Ireland. Klair is an economics graduate with over 20 years' experience of leading teams across customer service, corporate services and IT. Over the last 10 years, she has held various roles within SSE including two years as the company's Head of IT Ireland. Prior to this, Klair led a number of large transformational programmes and was responsible for leading significant change across the organisation. She is also the recipient of a Women in IT Excellence award.



Úna Nic Giolla Choille is a former Principal Officer in the Department for the Environment, Climate and Communications, heading the Electricity Regulation Division. She

previously worked in the Department of Finance, in the Offices of the Houses of the Oireachtas and of the Revenue Commissioners and also with the Policy Institute in Trinity College. Having a primary degree in economics and geography, she also holds a master's degree in Public Sector Analysis, both from TCD.



Brian Ó Gallachóir is Professor of Energy Engineering at UCC and Director of the SFI **MaREI Centre** for Energy Climate and Marine. Brian leads MaREI's research on energy systems modelling that

has underpinned Irish and EU energy and climate mitigation policies and energy company strategies. Brian is elected Chair of International Energy Agency Technology Collaboration Programme on energy systems modelling (IEA-ETSAP) and an elected Fellow of the Irish Academy of Engineering. Brian received the Science Foundation Ireland Best International Engagement Award 2020 and currently chairs the UCC President's COP-26 Working Group.



Colm O'Neill is a Partner at **KPMG** where he is Head of Energy, Utilities & Telecoms. He advises clients across the sectors on strategy, M&A, digital transformation, and culture

development. With over 30 years' experience, Colm has spent most of his career in industry, leading capital intensive, regulated businesses through major transformations. Most recently these included roles as chief executive of BT Ireland and Managing Director of BT's Corporate and Public Sector business in the UK. Colm is a former Board member of Business in the Community NI and former Chair of IBEC's TII. He is a current Board member of Young Scientist.



Kevin O'Sullivan is the Environment and Science Editor and lead journalist reporting on climate change with **The Irish Times**. He served as Editor of the paper from 2011 to 2017. He

joined The Irish Times in 1997 as Environmental and Food Science Correspondent. In his current role, he has a particular interest in climate solutions (especially nature-based actions); sustainability (including the pursuit of the UN SDGs), renewable energy and restoring biodiversity.



Barry Quinlan is the Assistant Secretary leading on Built Environment; Retrofit and Heat. Barry joined the **Department of the Environment, Climate & Communications** in December

2021, as part of the re-organisation of energy functions in the Department, from the Department from the Department of Housing, Local Government and Heritage, where he had led the Housing and Local Government Divisions. Prior to that Barry worked in the Revenue Commissioners and the Department of Justice. Working with key delivery partners and stakeholders, and within EU and global frameworks, key priority areas include: the National Retrofit Programme; and Renewable Heat Policy.



John Reilly is Head of Renewable Energy at **Bord na Móna**. He is a member of Bord na Móna's Senior Leadership team with specific responsibility for the operation and continued

development of Bord na Móna's expanding portfolio in the Irish electricity market. His team is currently leading a €1.6 billion investment programme which will see the company add at least 1GW of new renewable assets to its fleet by 2030. John has over 20 years' experience in the energy sector and was previously part of the senior management team at Edenderry Power, prior to its acquisition by Bord na Móna. He has worked for a number of major international utility players in the sector, such as the German utility E.ON and Fortum, a Finnish utility company. John, who is currently on the Board of the Electricity Association of Ireland, also sits on a number of policy committees across the energy sector and holds a PhD in Chemistry from UCD.



Stephen Robb is the Renewables Editor at the **Irish Farmers Journal**. Stephen completed his Food and Agribusiness Management undergraduate degree from UCD in 2015 and

completed a Masters in Agricultural Innovation Support, with a focus on bioenergy supply chains, from Teagasc/UCD in 2017. He then joined the Irish Farmers Journal (IFJ) editorial team and over the next five years covered all aspects of the tillage, renewables and agri-innovation sector. In that time, he also led several projects exploring the feasibility of developing a farm-based anaerobic digestion industry in Ireland and virtual gas pipelines. In 2022 he took up the role of Renewables Editor at the IFJ and is also developing the Northwest Community Energy Park project.



Eamon Ryan TD is the **Minister for Environment, Climate & Communications**. He was appointed to this role in June 2020. Eamon Ryan was elected to represent Dublin Bay South in

the 2020 general election. He was born in Dublin and raised in Dundrum and Dартry. He studied commerce in UCD before taking a job managing a marketing course in the university's School of Business. He went on to found a cycling tourism company, Irish Cycling Safaris, in the late 1980s and in 1996 won the Ernst & Young Entrepreneur of the Year award. He was the founding chairperson of the Dublin Cycling Campaign and began his political career as a Dublin City Councillor for the Rathgar-Rathmines ward. He then went on to serve both as a TD for Dublin South and as a Government Minister for Communications, Energy and Natural Resources. In recent years he has worked for a European climate organisation and chaired the digital policy group in the Institute of International and European Affairs. He is currently leader of the Green Party/Comhaontas Glas.



Catherine Sheridan is Head of Strategy with **Green Rebel**. Earlier in her career, Catherine worked with public utilities in engineering and commercial roles, and more recently in

communications, stakeholder engagement and energy policy. Catherine was awarded a Bachelors degree from University of Galway in 1998, Masters of Science from UCC in 2001, and titles of Chartered Engineer and Fellow of Engineers Ireland in 2009 and 2018. Her focus is on systems thinking, energy system integration and the role for Irish Supply Chain in achieving Net Zero by 2050.



William Walsh is Chief Executive Officer in **Sustainable Energy Authority of Ireland**, having previously held the position of both Chief Operations Officer and Chief Financial Officer.

William joined SEAI in 2013. Prior to joining SEAI he worked for IFI where he held a number of roles including Assistant Chief Executive Officer and Director. Prior to that he held senior management positions in the private sector. William is a Chartered Accountant, holds a Bachelor of Business Studies from Dublin City University and a Graduate Diploma in Strategy, Innovation and Change from UCD.

Energy Ireland[®] exhibition area

Selling fast!



There are a limited number of exhibition spaces available at Energy Ireland[®], the major all-island energy conference. The two-day, multi-stream conference provides an excellent opportunity for making contacts, networking and lobbying.

Booking up fast! Contact Sam Tobin on: +353 (0)1 661 3755 or email: sam.tobin@energyireland.ie.



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ARTHUR COX

Jacobs



Bord na Móna



The networking experience



Networking is a key element of the Energy Ireland[®] experience. With 300+ attendees from right across the industry, north and south, the conference is a valuable forum for meeting new contacts and renewing old acquaintances. Throughout Energy Ireland[®] 2023 there are plentiful opportunities for networking and business development.



Exhibition

Energy Ireland[®] 2023 will feature a lively exhibition and display area. Exhibition stands offer the chance to speak with the developers of new industry projects, product and service providers and expert industry advisors.



Coffee breaks

The two days of Energy Ireland[®] are punctuated by regular and frequent coffee breaks – in recognition that almost as much business gets transacted in the margins of the conference as in the plenary and workshop sessions!



Q&A sessions

An important feature of the conference is the opportunity to engage with the speakers during the Q&A / panel discussions at the end of each plenary and workshop session.



Networking lunches

An opportunity to refuel for the afternoon sessions but also, more importantly, to speak to fellow delegates and speakers while overlooking the impressive pitch at Croke Park!



Drinks reception

The Day 1 drinks reception, sponsored by Pinsent Masons, offers delegates the perfect opportunity to relax and unwind over a glass of wine at the end of a day's discussion and debate. It is a prime time for catching up on the latest news from the day's proceedings and across the industry.



Workshops

Alongside the plenary sessions in the main halls, Energy Ireland[®] 2023 will feature a programme of workshops which allow for in-depth examination of key issues at the forefront of Irish energy. There will be maximum opportunity for Q&A and discussion in all of the workshop sessions.

Getting to the venue:

Directions to Croke Park

Croke Park Conference Centre is located in the north Dublin neighbourhood of Drumcondra, around 20 minutes by car from Dublin airport.

From the city centre / O'Connell Street: Follow the signs for the N1 North onto Dorset Street and Drumcondra Road. At the railway bridge overpass on Drumcondra Road, turn right onto Clonliffe Road. At the next set of traffic lights, turn right onto Jones's Road for the Hogan stand entrance. (For car park continue to the end of Jones's Road into Russell Street turning left at the end of Russell Street onto the North Circular Road – follow directions below for parking).

From the airport / north: Follow directions for the city centre. Just before the railway overpass at the end of the Drumcondra Road Lower, turn left onto Clonliffe Road. At the next set of traffic lights, turn right onto Jones's Road for the Hogan Stand entrance. (For car park continue to the end of Jones's Road into Russell Street turning left at the end of Russell Street onto the North Circular Road – follow directions below for parking).

By train: The closest railway station is Drumcondra at the intersection of Drumcondra Road (N1) and Clonliffe Road, a 5 minute walk from Croke Park. The closest DART stations are Connolly (15-20 minute walk) and Clontarf (20-25 minute walk). The closest Luas and Intercity Rail stop is also at Connolly station.

By bus: From the city centre to Drumcondra Road: No 3, 11, 11A, 16, 16A and 41. From the city centre to Ballybough Road / Clonliffe Road: No 123.

By bike: There are bike rails situated outside the Hogan entrance to Croke Park (on Jones' Road) for secure cycle parking.

Car parking: There is limited free parking available for delegates attending the conference at the Davin Car Park. This is located off the North Circular Road and accessed via St Margaret's Avenue.

Accommodation

There are a number of hotels located close to the venue, including: The Croke Park Hotel, Best Western Dublin Skylon Hotel, Gresham Hotel, Best Western Academy Plaza, Jurys Inn Parnell Street.

There is a delegate room rate available at Croke Park Hotel, please quote BMFB100523.

To register:



Online

www.energyireland.ie



By telephone

+353 (0)1 661 3755



By email

registration@energyireland.ie



By post

bmf Business Services E&P Limited, Clifton House
Lower Fitzwilliam Street, Dublin 2, D02 XT91

Delegate fee €895 + VAT

Fee includes documentation, lunch and other refreshments served during the conference and is payable in advance.

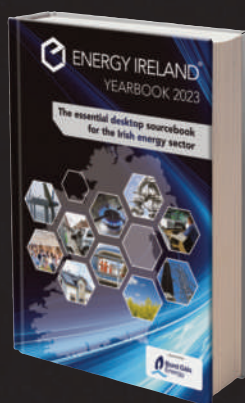
Terms and conditions

- Once booked places may not be cancelled.
- If you are unable to attend, you can send a substitute participant instead, at no additional charge.
- Failure to attend requires full payment.
- Conference fees includes entry for one person per ticket.
- We intend to photograph this event. Any photographs will be used only for our own publications.

Confirmation of registration will be emailed to all delegates following receipt of registration details. If you have not received your acknowledgement within 48 hours of registering, please email registration@energyireland.ie to confirm your booking.

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