



10TH ACADEMIC CONFERENCE

Balancing Competing Energy Policy Goals

17-18 September 2014, St John's College, Oxford, OX1 3JP



Balancing Competing Energy Policy Goals

Can we find an affordable solution to delivering secure sustainable energy?

DAY 1 Wednesday September 17 th 2014	
09:00	Accommodation Registration Main Porters Lodge, St John's College, St Giles, Oxford, OX1 3JP
09:45	Conference Registration Garden Quad Registration Desk
10.30	Welcome Auditorium Graham White, BIEE Conference Chair
10.35	Introduction and 10 Year Prize for Outstanding Contribution to British Energy Economics Prof. Charles Hendry MP, BIEE President
11.15	First Plenary Session - The Global Context Introduction and Chair: Joel Hanley, Editorial Director, Global Oil Education and Training, Platts
11.20	<i>No solutions, only tradeoffs?</i> Joan MacNaughton CB, Executive Chair of World Energy Council's Trilemma Study
11.35	<i>Planetary Economics: when The Economist gets it wrong on energy – and why</i> Michael Grubb, Professor of International Energy and Climate Policy, UCL & Senior Advisor, Sustainable Energy Policy, OFGEM
11.50	Philip New, CEO, BP Alternative Energy
12.05	Questions and Discussion
13.00	Lunch Garden Quad Reception
14.15	Future Research Priorities Auditorium Chair: Mike Bradshaw, Professor of Global Energy, University of Warwick
14.15	<i>Developing DECC's Evidence Base</i> Dr Steven Fries, Chief Economist, DECC

14.35	Future energy research priorities: a UKERC perspective Prof Jim Watson, Research Director, UKERC			
14.50	Questions and Discussion			
15:15	First Parallel Session : Global Focus			
	A Globalizing Gas Market Room: Auditorium	Electricity Room: North Seminar	Global Demand Trends Room: Prestwich	The Challenge of Carbon Room: Larkin
	Session Chair <i>Prof Mike Bradshaw, University of Warwick</i>	Session Chair <i>Phil Grant, Partner, Baringa Partners</i>	Session Chair <i>Peter Stewart, Chief Energy Analyst, Interfax</i>	Session Chair <i>Adam Whitmore, Chief Advisor Energy and Climate Policy, Rio Tinto</i>
15.15	Russian Gas in Asia – A Key Indicator of Russia’s Future Role in the Global Gas Industry <i>Dr James Henderson, Oxford Institute for Energy Studies</i>	On the market prospects of long-term- electricity storages <i>Dr Amela Ajanovic, Dr Reinhard Haas, Vienna University of Technology</i>	Statistical techniques for exploring trends in emissions and energy consumption in developed and developing countries <i>Mr Robin Smale, Vivid Economics</i>	The potential role of financial payments in incentivizing shifts in residential electricity use in the UK: Findings from exploratory field study <i>Dr Peter Bradley, UWE</i>
15.35	Price discrimination and limits to arbitrage: An analysis of global LNG markets <i>Dr Robert Ritz, University of Cambridge & EPRG</i>	The Effects of an Ambitious Danish Energy Policy <i>Professor Eirik Amundsen, University of Bergen, Norway, University of Copenhagen/ Danish Economic Councils</i>	How peaking of exergy efficiency may lead to rising energy demand in OECD countries and an underestimate of non-OECD energy consumption growth <i>Mr Paul Brockway, University of Leeds</i>	Household demand, energy efficiency improvement and the rebound effects <i>Dr Mona Chitnis, University of Surrey</i>
15.55-16.10	Tea (available 15.45 – 16.30)			
16.10	Global Gas Production Networks: the role of Liquefied Natural Gas in UK Gas Imports <i>Dr Gavin Bridge, Durham University</i>	Liberalisation vs. Decarbonisation: The Effects of EU Renewables and Internal Electricity Market Policies on the Evolution of Fuel mixes and market concentration rates <i>Dr Frederik Dahlmann, University of Warwick</i>	Demand-Side Management Policy: Failure and Transferability <i>Mr Peter Warren, UCL Energy Institute</i>	Innovation in the energy sector: advancing or frustrating climate policy goals? <i>Dr. Matthew Hannon, Imperial College London</i>
16.30	A New Russian Revolution: Liberalization of LNG Export Market in the Face of Shifting	Business model for future electricity distribution networks	Integrating the Social Cost of Power Outages into Reliability Planning	Searching for the Green Paradox <i>Dr Christophe McGlade, UCL Institute for Sustainable Resources</i>

	Global Supply <i>Mr Bennett Resnik, Vermont Law School</i>	<i>Mr Rahmatallah Poudineh, Durham University</i>	<i>Mr Nelson Jr Enano, IEPI, UCL Australia, and UCL London</i>	
16.40		Modelling the Impact of Market Imperfections on Farm Household Investment in Stand-Alone Solar PV. <i>Professor Euan Phimister, University of Aberdeen</i>	Financing Networks in Electricity Sector and Market Liberalisation in South-East Asia <i>Ms Tue Anh Nguyen, University of Greenwich</i>	Climate Policy in Crisis. The Issues <i>Dr John Rhys, Oxford Institute for Energy Studies</i>
16.50	Discussion	Estimating Economic Values for a Sustainable Energy Supply: A case study in Northern <i>Mrs Mehrshad Radmehr, Newcastle University</i>	Discussion	Global climate change mitigation: Burden sharing <i>Dr Gabriel Anandarajah, UCL Energy Institute</i>
17.00	Discussion	Discussion	Discussion	Discussion
17.30	Student Collaboration Corner Room: Prestwich Facilitator: Katharina Gruenberg, Economist, Shell An opportunity for students to meet, discuss their research projects and consider future collaboration on work of common interest.			
18.30	10th Anniversary Drinks Reception			
19.30	Conference Dinner – St. John’s College Dining Hall			
	<i>Energy Policy Goals - What game are we actually playing?</i> After Dinner Speaker: Ian Marchant, Chairman, The Wood Group			

DAY 2 Thursday September 18th 2014

09.00	Opening Address: UK and Europe Auditorium <i>Are Markets working? And what do we do if they don't?</i> Alistair Buchanan, Chairman, Power and Utilities, KPMG			
09.25	Second Plenary Session: European Energy and Climate Policy Chair: Professor Eirik Amundsen, University of Bergen, Norway, University of Copenhagen/ Danish Economic Councils			
09.25	EU's framework for 2030 Wim Thomas, Chief Energy Advisor, Shell International			
09.40	UK Carbon Policy in the European Context Prof. Sam Fankhauser, Co-Director, Grantham Research Institute, LSE			
09.55	Angela Knight, CEO, Energy UK			
10.10	Questions and Discussion			
10.45	Coffee			
11.00	Second Parallel Session : UK / European Focus			
	Pathways to Decarbonisation Room: Auditorium	Low Carbon Energy Policy Room: Prestwich	Oil Gas and Liquid Fuels Room: North Seminar	EU Carbon Policy Room: Larkin
	Session Chair <i>Prof. Richard Green, Imperial College Business School</i>	Session Chair: <i>Prof Jim Watson, Research Director, UKERC</i>	Session Chair <i>Ben Klooss, Finance Director, BP Exploration Function</i>	Session Chair <i>Katharina Gruenberg, Economist, Shell</i>
11.00	Financing the UK Power Sector: is the Money Available? <i>Dr Robert Gross, Imperial College</i>	Transition to a Low Carbon Energy System and Energy Security-Synergies and Conflicts <i>Dr Bengt Johansson, FOI</i>	North Sea Oil and Gas at a Crossroads: How Can Policy Help? <i>Professor Alex Kemp, University of Aberdeen</i>	Walking alone? How the UK's carbon targets compare with its competitors' <i>Ms Michal Nachmany, Grantham Research Institute</i>
11.20	Envisioning Smarter Power Futures: UK Smart Grid Scenarios	The new 'civic' energy sector: implications for ownership,	Alternative Liquid Fuels: Governance, Security and Transitions in the Inter-War	Effects of the proposed EU ETS Market Stability Reserve <i>Mr Adam Whitmore, Rio Tinto</i>

	<i>Dr Peter Connor, University of Exeter</i>	governance and financing of low carbon energy infrastructure <i>Mr Stephen Hall, Sustainability Research Institute, University of Leeds</i>	Period Professor <i>Peter J G Pearson, Cardiff University</i>	
11.40	The path to 2050: how much should the preparatory phase cost? <i>Mr George Day, Energy Technologies Institute</i>	Policy Instruments for the Transformation to a Low-Carbon Energy System in the UK <i>Mr Paul Drummond, University College London</i>	A UK “dash” for smart gas <i>Ms Samuela Bassi, Grantham Research Institute</i>	Liquidity and Market efficiency: European Evidence from the World’s Largest Carbon Market <i>Dr Gbenga Ibikunle, University of Edinburgh</i>
12.00	Electrification of heating: the role of heat pumps <i>Dr. Nick Eyre, Environmental Change Institute, University of Oxford</i>	Residential Energy Efficiency Programmes in the UK: a road map to recovery <i>Dr Jan Rosenow, Ricardo AEA</i>	An Investigation into the Gas Trades across the Interconnector Pipeline between the UK and Belgium: Do Gas Flows Follow Price Spreads? <i>Mr Chris Cuijpers, CREG</i>	A qualitative look at the coherence between EU energy security and climate change policies <i>Professor Måns Nilsson, Stockholm Environment Institute</i>
12.20	Towards a Low-carbon Building Sector: The Influence of Skills Provision on Low-carbon Pathway Scenarios <i>Mrs Heinke Thies, University of Exeter</i>	Assessing the future security of the UK electricity system in a low-carbon context <i>Miss Emily Cox, University of Sussex</i>	Modeling Shocks in the Upstream Sector of the Oil and Gas Industry <i>Mr Gerhard Toews, University of Oxford</i>	Low carbon jobs: the evidence for net job creation from policy support for energy efficiency and renewable energy <i>Mr Jamie Speirs, Imperial College London</i>
12.30	Discussion	Discussion	Discussion	Discussion
13.00	Lunch Garden Quad Reception			
14.00	Third Plenary Session: UK Energy Policy Auditorium Chair: Dr. Robert Gross, Director, ICEPT, Imperial College, BIEE Chairman			
14.00	Volker Beckers, Former Group CEO, RWE npower			
14.15	Security of Supply, UK Energy Policy and the Capacity Auction Prof. David Newbery, Director, EPRG, University of Cambridge			
14.30	The UK’s 4th carbon budget is confirmed: how do we achieve it? Adrian Gault, Acting CEO, The Committee on Climate Change			

14.45	Questions and Discussion
15.30	BIEE Annual General Meeting Auditorium
15.50	Tea Garden Quad Reception
16.10	Finish