

## **Energy Security Select Committee**

### **Prof Gordon MacKerron**

**Professor of Science & Technology Policy & Co-Director of the Sussex Energy Group (University of Sussex)**

#### **Biography**

Professor MacKerron is an economist specialising in energy and environmental economics, with degrees in economics from the Universities of Cambridge and Sussex. His academic career has specialized in the economics and policy issues of electricity and especially nuclear power, in which he has published and broadcast widely. He has frequently been Specialist Adviser or invited witness before House of Commons Select Committee inquiries on energy subjects. From June to December 2001 he was on secondment to the PIU, Cabinet Office, as Deputy Leader of the UK Government's Energy Review team. He has subsequently assisted the UK Department of Trade and Industry (DTI) in its consultation process leading up to a major Energy White Paper released in February 2003 and subsequently advised DTI on security of supply and low carbon technology strategies. Between 2003 and 2007 he was Chair of the Committee on Radioactive Waste Management, an independent body charged with recommending the best approach to long-term radioactive waste management to the UK Government. He was a member of the Royal Commission on Environmental Pollution from 2009 until its demise in 2011.

### **Emily Cox**

**PhD Research Assistant (University of Sussex & Oxford)**

#### **Biography**

Emily is a Research Assistant and PhD student with the Sussex Energy Group at the University of Sussex. For her PhD she is researching energy security in the context of a low-carbon transition, developing a methodology which can be used to assess low-carbon transition pathways for their resilience, affordability and sustainability. The focus of this project is on the security of electricity systems in the UK. She recently worked for the Royal Academy of Engineering, undertaking research into the social and economic impacts of electricity shortfalls as part of a project requested by the Council for Science and Technology and DECC. She has also spent time working for E.ON Technologies at the Ratcliffe-on-Soar power station, researching energy security, district heating, distributed storage, and the UK Capacity Market.