



**WESTMINSTER ENERGY  
ENVIRONMENT &  
TRANSPORT FORUM**

# **The UK's emissions reduction strategy: meeting the Fourth Carbon Budget 8<sup>th</sup> December 2011**

## **CONDITIONS FOR USE OF TRANSCRIPTS:**

This document is intended to provide a timely reference for interested parties who are unable to attend the event to which it refers. Some portions are based on transcripts of proceedings and others consist of text submitted by speakers or authors, and are clearly marked as such. As such, apart from where it is indicated that the text was supplied by the speaker, it has not been possible for the transcript to be checked by speakers and so this portion of the document does not represent a formal record of proceedings. Despite best endeavours by Westminster Forum Projects and its suppliers to ensure accuracy, text based on transcription may contain errors which could alter the intended meaning of any portion of the reported content. Anyone who intends to publicly use or refer to any text based on the transcript should make clear that speakers have not had the opportunity for any corrections, or check first with the speaker in question. If in doubt please contact the forum first.

# Contents

<b>About this Publication</b>	<b>3</b>
<b>Agenda</b>	<b>4</b>
<b><u>Session Chair's opening remarks</u></b>	
<b>Professor Peter Simpson</b> , Scientific Secretary and Editor of Science in Parliament, Parliamentary and Scientific Committee ( <i>transcript</i> )	<b>6</b>
<b><u>Latest advice and progress update from the Committee on Climate Change (CCC) on meeting the UK's carbon budgets</u></b>	
<b>David Kennedy</b> , Chief Executive, Committee on Climate Change ( <i>transcript</i> )	<b>7</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>12</b>
<b><u>The Carbon Plan and the Fourth Carbon Budget</u></b>	
<b>Ravi Gurumurthy</b> , Director of Strategy, Department of Energy and Climate Change ( <i>transcript</i> )	<b>16</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>21</b>
<b><u>Stakeholder perspectives on the Government's Carbon Plan and strategy to meet the UK's Fourth Carbon Budget</u></b>	
<b>Professor Paul Ekins</b> , Professor of Energy and Environment Policy, UCL Energy Institute, University College London ( <i>transcript</i> )	<b>25</b>
<b>Dustin Benton</b> , Senior Policy Adviser, Green Alliance ( <i>transcript</i> )	<b>26</b>
<b>Marcus Stewart</b> , Future Distribution Networks Manager, National Grid ( <i>transcript</i> )	<b>28</b>
<b>John MacArthur</b> , Vice President CO <sub>2</sub> Policy, Shell International ( <i>transcript</i> )	<b>30</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>32</b>
<b><u>Session Chair's closing remarks</u></b>	
<b>Professor Peter Simpson</b> , Scientific Secretary and Editor of Science in Parliament, Parliamentary and Scientific Committee ( <i>transcript</i> )	<b>43</b>
<b><u>Session Chair's opening remarks</u></b>	
<b>Laura Sandys MP</b> , Member, Energy and Climate Change Select Committee ( <i>transcript</i> )	<b>44</b>
<b><u>Meeting the UK's Fourth Carbon Budget: the view from the energy industry</u></b>	
<b>Ravi Baga</b> , Head of Energy Policy, EDF Energy ( <i>transcript</i> )	<b>45</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>49</b>
<b><u>The financial, practical and technological challenges to delivering emissions reductions</u></b>	
<b>Dr Adam Hawkes</b> , Knowledge Leader, Energy Systems Modelling, AEA Group ( <i>transcript</i> )	<b>53</b>
<b>Dr Matthew Brown</b> , Head of Energy and Climate Change, Confederation of British Industry (CBI) ( <i>transcript</i> )	<b>55</b>
<b>Prashant Vaze</b> , Chief Economist, Consumer Focus ( <i>transcript</i> )	<b>57</b>
<b>Dr Alex Bowen</b> , Principal Research Fellow, Grantham Research Institute on Climate Change and the Environment, London School of Economics and Political Science ( <i>transcript</i> )	<b>59</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>61</b>
<b><u>Session Chair's and Westminster Energy, Environment &amp; Transport Forum closing remarks</u></b>	
<b>Laura Sandys MP</b> , Member, Energy and Climate Change Select Committee ( <i>transcript</i> )	<b>70</b>
<b>Ben Goodwin</b> , Senior Producer, Westminster Energy, Environment & Transport Forum ( <i>transcript</i> )	<b>71</b>
<b>Comment</b>	
<b>Ben Savage</b> , Senior Researcher Officer, Social Research & Evaluation, Department for Transport	<b>72</b>
<b>Janice Lazaroo</b> , Quality Assurance Manager, MacAndrews & Company Ltd	<b>72</b>
<b>List of Delegates Registered for Seminar</b>	<b>74</b>
<b>Contributor and Westminster Energy, Environment &amp; Transport Forum Biographies</b>	<b>77</b>
<b>About the Core Sponsors of the Westminster Energy, Environment &amp; Transport Forum</b>	<b>80</b>

## About this Publication

This publication reflects proceedings at the Westminster Energy, Environment & Transport Forum Keynote Seminar: The UK's emissions reduction strategy: meeting the Fourth Carbon Budget held on 8<sup>th</sup> December 2011. The views expressed in the articles are those of the named authors, not those of the Forum or the sponsors, apart from their own articles.

Although Westminster Energy, Environment & Transport Forum is grateful to all sponsors for the funding on which we depend, participation in events and publications is never conditional on being a sponsor. As well as funding ongoing operations, sponsorship enables the Forum to distribute complimentary copies of publications, and offer complimentary tickets for events, to Government ministers, parliamentarians and officials most involved in policy.

This publication is copyright. Its copying, in whole or in part, is not permitted without the prior written consent of the publishers. However, extracts of the text may be reproduced for academic or review purposes, subject to the conditions of use outlined in the previous page, providing they are accurate, are not used in a misleading context and the author, their organisation and the Westminster Energy, Environment & Transport Forum are acknowledged. We would also appreciate being informed.

### **Westminster Energy, Environment & Transport Forum**

4 Bracknell Beeches  
Old Bracknell Lane West  
Bracknell,  
Berkshire, RG12 7BW

T: 01344 864796

F: 01344 420121

[publications@westminsterforumprojects.co.uk](mailto:publications@westminsterforumprojects.co.uk)

### **Directors**

Peter van Gelder

Chris Whitehouse