

# Priorities for Scotland's energy sector: innovation, infrastructure and the forthcoming energy strategy 14<sup>th</sup> June 2017

## **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><u>About this Publication</u></b>	<b>3</b>
<b><u>Agenda</u></b>	<b>4</b>
<b><u>Session Chair's opening remarks</u></b> Richard Leonard MSP, Member, Economy, Jobs and Fair Work Committee ( <i>transcript</i> )	<b>6</b>
<b><u>Challenges and opportunities for the energy sector in Scotland</u></b> Andrew Lever, Director, Policy & Innovation, The Carbon Trust ( <i>text submitted by speaker</i> )	<b>7</b>
<b><u>Priorities for Scotland's future energy mix - innovation, infrastructure and responding to new policy priorities</u></b> Angus McIntosh, Innovation and New Technology Manager, SGN ( <i>transcript</i> )	<b>10</b>
Christine MacKenzie, Public Affairs Manager for Scotland, SSE ( <i>transcript</i> )	<b>13</b>
<b><u>The role of Carbon Capture and Storage in achieving net-zero greenhouse gases</u></b> Dr Vivian Scott, Policy Research Associate, SCCS, University of Edinburgh ( <i>transcript</i> )	<b>16</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>18</b>
<b><u>Supporting the expansion of local energy systems and ensuring a fair deal for consumers</u></b> Jennifer Ramsay, Project Manager, Local Energy Scotland ( <i>transcript</i> )	<b>23</b>
Thomas Docherty, Head of Public Affairs for Scotland, Which? ( <i>transcript</i> )	<b>26</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>29</b>
<b><u>Session Chair's closing remarks</u></b> Richard Leonard MSP, Member, Economy, Jobs and Fair Work Committee ( <i>transcript</i> )	<b>32</b>
<b><u>Session Chair's opening remarks</u></b> Maurice Golden MSP, Deputy Convener, Environment, Climate Change and Land Reform Committee ( <i>transcript</i> )	<b>33</b>
<b><u>Managing the transition to low carbon modes of transport</u></b> Andrew Willis, Head of UK Projects, Urban Foresight ( <i>transcript</i> )	<b>34</b>
<b><u>Decarbonising Scotland's heat supply</u></b> Jeff Douglas, Strategy Manager, Smart Systems and Heat, Energy Systems Catapult ( <i>transcript</i> )	<b>37</b>
<b><u>Developing a smart, flexible electricity network - regulation and future-proofing the grid</u></b> Andy Burgess, Associate Partner, Energy Systems, Ofgem ( <i>text to be submitted by speaker</i> )	<b>39</b>
Julian Leslie, Head of Electricity Network Development, National Grid ( <i>transcript</i> )	<b>40</b>
<b><u>Assessing future opportunities for long lifetime energy storage systems</u></b> Miles Franklin, Lead Engineer, Gravitricity ( <i>transcript</i> )	<b>43</b>
Questions and comments from the floor ( <i>transcript</i> )	<b>45</b>
<b><u>Taking forward the new energy strategy</u></b> Chris Stark, Director of Energy and Climate Change, The Scottish Government ( <i>transcript</i> )	<b>51</b>
Questions and comments from the floor	<b>57</b>
<b><u>Session Chair's and Scotland Policy Conferences closing remarks</u></b> Maurice Golden MSP, Deputy Convener, Environment, Climate Change and Land Reform Committee ( <i>transcript</i> )	<b>59</b>
Stephanie Barr, Forum Lead, Scotland Policy Conferences ( <i>transcript</i> )	<b>60</b>
<b><u>List of Delegates Registered for Seminar</u></b>	<b>61</b>
<b><u>Contributor Biographies</u></b>	<b>65</b>

Please be advised that speakers' PowerPoint presentations are included within the transcript itself, just beneath the relevant speaker's text. Please note that not all speakers are able to grant permission for us to include their slides.

## About this Publication

This publication reflects proceedings at the Scotland Policy Conferences Keynote Seminar: Priorities for Scotland's energy sector: innovation, infrastructure and the forthcoming energy strategy held on 14<sup>th</sup> June 2017. 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 Scotland Policy Conferences 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 Scotland Policy Conferences are acknowledged. We would also appreciate being informed.

### Scotland Policy Conferences

UK Headquarters  
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