

THURSDAY, DECEMBER 1<sup>ST</sup>, 2011

<b>Thursday December 1<sup>st</sup> – CCR Expo (Umdloti room) – Durban</b>	
<b>09:00 - 15:00</b>	<b>Carbon Capture and Storage Seminar</b>
<p><i>Challenges and opportunities: Carbon Capture and Storage Technology.</i>  <i>Carbon capture and storage (CCS) is a plan to mitigate climate change by capturing carbon dioxide from large point sources such as power plants and subsequently storing it away safely instead of releasing it into the atmosphere. The Intergovernmental Panel on Climate Change (IPCC) argued that CCS could contribute between 10% and 55% of the cumulative worldwide carbon-mitigation effort over the next 90 years. Although a CCS coal power plant requires up to 40% more energy to run than a regular coal plant, CCS could potentially capture about 90% of all the carbon emitted by the plant. However, governments should provide advice on the policies, institutional and regulatory changes required to enhance developing and using carbon capture and storage to reduce greenhouse gas emissions. In addition, there must be clear, efficient and consistent regulatory requirements and authority for permitting all phases of the capturing, transportation and storage of carbon dioxide.</i></p>	
<b>I SESSION</b>	
<b>Moderator</b>	<i>Ms. N. Magubane, Director General, Department of Energy, Republic of South Africa</i>
<b>09:00 – 09:25</b>	<b>Registration</b>
<b>09:30 – 09:40</b>	<b>Introduction</b> <i>Ms. N. Magubane, Director General, Department of Energy, Republic of South Africa</i>
<b>09:40 – 10:25</b>	<b>High Level Dialogue on Challenges and Opportunities for CCS</b> <ul style="list-style-type: none"> <li>- <i>Honourable Minister E.D. Peters, Minister of Energy, republic of South Africa;</i></li> <li>- <i>Honourable Minister A. I. A. Naimi, Minister of Petroleum and Mineral Resources, Saudi Arabia</i></li> <li>- <i>Mr. S. Svenningsen, Assistant Deputy Director General, Ministry of Petroleum and Energy, Norway .</i></li> <li>- <i>Mr. P. Eardley-Taylor, Head of Energy Utilities and Infrastructure Coverage, Standard Bank</i></li> </ul>
<b>10:25 – 10:40</b>	<b>Discussion</b>
<b>10:40 – 11:00</b>	<b>Coffee Break</b>
<b>II SESSION</b>	
<i>Can CCS deliver on its promises in the fight against Climate Change? An international perspective on the status of CCS</i>	
<b>Moderator</b>	<i>Mr. T. Surridge, Professor, Advanced Clean Coal, South African Centre for Carbon Capture and Storage (SACCCS)</i>
<b>11:00 – 11:10</b>	<b>Introduction</b> <i>Mr. T. Surridge, Professor, Advanced Clean Coal, South African Centre for Carbon Capture and Storage (SACCCS)</i>
<b>11:10 - 11:20</b>	<b>CCS within a portfolio of options</b> <i>Ms. E. Levina, Energy Analyst, CCS Unit, International Energy Agency (IEA)</i>
<b>11:20 – 11:30</b>	<b>CCS Projects under development Internationally</b> <i>Mr. B. Page, CEO, Global CCS Institute (GCCSI)</i>

<b>11:30 – 11:40</b>	<b>Technology Roadmap on Carbon Capture and Storage in Industrial Applications</b> <i>Mr. K. Nguyen, Senior Development Officer the Energy and Climate Change Branch, UNIDO</i>
<b>11:40 – 11:50</b>	<b>UK: leading the world in CCS policy</b> <i>Mr. T. Dixon , Manager CCS and Regulatory Affairs, (IEA GHG)</i>
<b>11:50 – 12:00</b>	<b>Alstom: CCS technology internationally</b> <i>Ms G Andrews, Vice President, Environmental Policies and Global Advocacy, Alstom</i>
<b>12:00 – 12:30</b>	<b>Discussion</b>
<b>12:30 - 13:00</b>	<b>Lunch</b>
<b>III SESSION</b>	
<i>Are developing, non-annex-I countries ready for CCS? A South African and international CCS roundtable</i>	
<b>Moderator</b>	<i>Mr. K. Nassiep, CEO, South Africa National Energy Development Institute (SANEDI)</i>
<b>13:00 – 13:05</b>	<b>Introduction</b> <i>Mr. K. Nassiep, CEO, South Africa National Energy Development Institute (SANEDI)</i>
<b>13:05 – 13:15</b>	<b>CCS in the developing world</b> <i>Ms. N. Kulichenko, Senior Energy Specialist, Sustainable Energy Department, World Bank</i>
<b>13:15 – 13:25</b>	<b>Can developing countries afford CCS? Including CCS in the CDM.</b> <i>Mr. T. Dixon , Manager CCS and Regulatory Affairs, IEA GHG</i>
<b>13:25 – 13:35</b>	<b>A roadmap for CCS in South Africa</b> <i>Mr. B. Beck, Manager, South African Centre for Carbon Capture and Storage (SACCCS)</i>
<b>13:35– 13:55</b>	<b>An industry perspective of CCS</b> <ul style="list-style-type: none"> <li>- <i>Mr. J. Liebenburg, CO<sub>2</sub> Manager, Sasol Petroleum International</i></li> <li>- <i>Mr. B. MacColl, Research, Testing and Development Manager, Group Technology, ESKOM</i></li> </ul>
<b>13:55 – 14:05</b>	<b>An Environmental NGO perspective</b> <i>Mr. R. Worthington, Manager, Climate Change Programme, Living Planet Unit, WWF</i>
<b>14:05 – 14:35</b>	<b>Discussion</b>
<b>14:35 – 14:45</b>	<b>Closing Remarks and Adjourn</b> <i>Mr. T. Maqubela, Deputy Director-General: Energy Planning &amp; Hydrocarbons, Department of Energy, Republic of South Africa</i>

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<b>15:30 – 17:30</b>	<b>TRANSPORT FUEL EFFICIENCY AND BIOFUELS</b>
<p><i>Discussion on the promotion and importance of Fuel efficiency, and bio-fuels options for climate change mitigation in the transport sector.</i></p> <p><i>Transport, unlike other energy-consuming sectors, relies predominantly on a single fossil resource, which leads to green house gas emissions, air pollution, congestion and energy security (oil import) problems. Solutions, therefore, cannot be focused on GHG emissions alone but rather on other options such as the development of hydrogen-powered fuel-cell vehicles and bio-fuels, and improving conventional technologies.</i></p> <p><i>This session will primarily focus on improving the fuel economy of road vehicles – the policies and technologies that are needed and progress in countries to date.</i></p>	
<b>Moderator</b>	<i>Dr. V. Msimang, Chief Director, Department of Science &amp; Technology, Republic of South Africa</i>
<b>15:30 – 15:35</b>	<p><b>Introduction</b>  <i>Dr. V. Msimang, Chief Director, Department of Science &amp; Technology, Republic of South Africa</i></p>
<b>15:35 - 15:50</b>	<p><b>Global fuel economy status</b>  <i>Mr. M. Walsh, Chair of the Board, International Council on Clean Transportation (ICCT)</i></p>
<b>15:50 - 16:05</b>	<p><b>Fuel economy roadmap</b>  <i>Ms. C. Tam, Senior Analyst, Energy Technology Policy Division, International Energy Agency (IEA)</i></p>
<b>16:05 - 16:20</b>	<p><b>South Africa’s Green Transport – Electric Vehicle Initiative, SANEDI</b>  <i>Mr C. Snyman, Senior Manager, Green Transport, SANEDI</i></p>
<b>16:20 - 16:35</b>	<p><b>Fuel economy policy pathway</b>  <i>Ms. L. Ryan, Senior Analyst, Energy Efficiency Unit, International Energy Agency (IEA)</i></p>
<b>16:35 - 16:50</b>	<p><b>Biofuels roadmap</b>  <i>Mr. P. Frankl, Head, Renewable Energy Division, International Energy Agency (IEA)</i></p>
<b>16:50 – 17:20</b>	<b>Discussion</b>
<b>17:20 – 17:30</b>	<p><b>Closing</b>  <i>Mr. V. Msimang, Chief Director, Department of Science &amp; Technology, Republic of South Africa</i></p>

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<b>18:00 – 21:00</b>	<b>ENERGY EFFICIENCY GALA DINNER</b>
<p><i>Bridging the Information Gap on Energy Efficiency in Buildings (Big EE) Launch – including the Energy Efficiency Monitoring System with the SALGA and Swiss Agency for Development &amp; Cooperation. The discussion will cover</i></p> <ul style="list-style-type: none"> <li>- <i>Introduction and overview of Energy Efficiency Monitoring and Implementation System</i></li> <li>- <i>Introduction and overview to the “Big EE” Initiative</i></li> </ul>	
<b>Programme Director</b>	<i>Mr. K. Nassiep, CEO, South Africa National Energy Development Institute (SANEDI)</i>
<b>18:00</b>	<b>Guest arrive and cocktails</b>
<b>18:30 - 18:40</b>	<p style="text-align: center;"><b>Program Director welcomes VIP’s, media and guests</b></p> <p><i>Mr. K. Nassiep, CEO, South Africa National Energy Development Institute (SANEDI)</i></p>
<b>18:40 -18:50</b>	<p style="text-align: center;"><b>Support of Energy Efficiency Monitoring and Implementation System</b></p> <p><i>Honourable Mr. C. Meuwly, Ambassador of Switzerland, South Africa</i></p>
<b>19:10 – 19:30</b>	<p style="text-align: center;"><b>South African Perspective on the EE monitoring and implementation</b></p> <p><i>Mr. O. Aphane, Deputy-Director General, Department of Energy, Republic of South Africa</i></p>
<b>19:30 – 19:50</b>	<p style="text-align: center;"><b>Role of Local Government on the Energy Efficiency Implementation and Monitoring</b></p> <p><i>Councillor T. Manyoni, Chairperson of the South African Local Government Association</i></p>
<b>19:50 – 20:10</b>	<b>Dinner Served</b>
<b>20:10 –20:30</b>	<p style="text-align: center;"><b>German support on the promotion of Energy Efficiency in South African</b></p> <p><i>Dr. H. Freitag, German Consul General to the United States, German Embassy</i></p>
<b>20:30 –20:50</b>	<p style="text-align: center;"><b>An overview of bridging the Information Gap on Energy Efficiency in Buildings (big EE)</b></p> <p><i>Dr. S. Karcher, Head of Division, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety</i></p>
<b>20:50 – 21:20</b>	<p style="text-align: center;"><b>Key-note Address</b></p> <p><i>Honourable Minister E. D. Peters, Minister of Energy, Republic of South Africa</i></p>
<b>21:20 – 21:30</b>	<p style="text-align: center;"><b>Closing remarks</b></p> <p><i>Mr. K. Nassiep, CEO, South Africa National Energy Development Institute (SANEDI)</i></p>