

## Powering Future Economies – Main Auditorium Program

### Wednesday, 12 November

Time	Main Auditorium
12.50pm – 2.25pm	<p><b>Powering Future Economies</b></p> <p><b>Session 1 – Growth engine: Capitalising on energy’s full growth potential</b></p> <p><b>MC – Linda Yueh</b>, BBC Chief Business Correspondent</p> <p>Historically, energy and economic growth have been inextricably linked. Cost-competitive and reliable energy is the lifeblood of every modern industrial economy. For those countries fortunate enough to have rich energy resource endowments, significant additional prosperity can be derived from the export of energy resources and its associated services. In this session we want to explore the following key questions:</p> <ol style="list-style-type: none"> <li>1. What is the global outlook for demand and supply of energy? Is the global coal industry heading towards feast or famine? Is gas the dawn of a golden age or a poisoned chalice? What disruptive events could change the global energy outlook? What could be the implications for the major export nations and consumers globally?</li> <li>2. Do significant resource endowments lay the foundation of a lucky country or do they rather cause the Dutch disease? How can nations balance domestic needs with export benefits, e.g. is a domestic gas reservation a good idea? How can resource export nations position themselves to maximise economic growth from their resource endowments?</li> <li>3. What are the critical success factors for developing and maintaining a globally competitive energy resources and services export industry, e.g. skills, regulatory and policy environment, social licence to operate and technology leadership?</li> </ol> <p><b>12.50pm – Opening address:</b> Dr Alex Wonhas, Executive Director, Energy and Resources, CSIRO, Australia</p> <p><b>12.55pm – Presentation</b> – The Hon. Mark McArdle MP, Minister for Energy and Water Supply</p> <p><b>1pm – Introduction:</b> Linda Yueh</p> <p><b>1.10pm – Presentation</b> – Glenn Kellow, COO, Peabody Energy</p> <p><b>1.30pm – Presentation</b> – Matt Rogers, Director, McKinsey &amp; Company "Resource Revolution"</p> <p><b>1.40pm – Presentation</b> – David Knox, CEO, Santos</p> <p><b>1.55pm: Panel discussion</b> – Moderated by Linda Yueh</p> <p><b>Panellists –</b> Glenn Kellow, COO, Peabody Energy Matt Rogers, Director, McKinsey &amp; Company David Knox, CEO, Santos Paul Finn, Project and Infrastructure Finance Advisor (Former Head of Project &amp; Structured Finance, ANZ Bank)</p>
2.35pm – 3.00pm	<p><b>Session 2 – Evolution v Revolution – the future of energy</b></p> <p><b>2.35pm – Presentation:</b> Grant King, CEO, Origin Energy moderated by MC John Taylor, ABC</p>
3.00pm – 3.20pm	<b>Break</b>
3.20pm – 4.50pm	<p><b>Session 3 – Power to the people</b></p> <p><b>MC – John Taylor</b>, ABC</p> <p><b>Affordable, reliable and sustainable energy is a vital factor to underpin growth in the developing world and to help lift billions of people out of poverty. This session will explore the role energy can play in enhancing security and reducing poverty.</b></p> <ol style="list-style-type: none"> <li>1. What role can and will energy play in poverty reduction and development? To what extent are economic development and environmental sustainability objectives mutually re-enforcing or opposed? What other enablers may be required, eg strengthening the role of women in making energy choices.</li> <li>2. What are the most feasible pathways to bring affordable, reliable and sustainable power to the billions of people who don't yet have access to it? What are the barriers to these pathways and how can they be overcome?</li> <li>3. What potentially new disruptive approaches, policies or technologies could particularly enable economic development of the poorest nations?</li> </ol> <p><b>3.20pm – Introduction</b> – John Taylor, ABC</p> <p><b>3.25pm – Presentation</b> – Dr Bjorn Lomborg, Copenhagen Consensus Centre</p> <p><b>3.45pm – Presentation</b> – John Connor, CEO, The Climate Change Institute</p> <p><b>4.10pm – Panel discussion</b> – Moderator, John Taylor, ABC</p> <p><b>Panellists –</b> Dr Bjorn Lomborg, University of Copenhagen, Denmark John Connor, CEO, The Climate Institute, Australia</p> <p><b>4.40pm – Closing address</b> – Dr Alex Wonhas, Executive Director, Energy and Resources, CSIRO, Australia</p>
4.50pm – 5.25pm	<p><b>General session – special interactive discussion</b></p> <p><b>A conversation with theoretical physicist Michio Kaku</b></p>

# Powering future economies – Deep Dive Program – Sherwood Room

## Thursday, 13 November

Time	Sherwood Room
8.15am – 9.45am	<p><b>Session 1 – Evolution v Revolution: Possible Futures of the Electricity System</b></p> <p><b>Some of the largest machines mankind has ever built are our electricity systems. They may change more in the coming 30 years than they have changed in the past 100 years. However, many plausible pathways can be envisaged. We want to identify and discuss the issues and opportunities that will shape the future of the system:</b></p> <ol style="list-style-type: none"> <li>1. Could the electricity system move from a centralised, one-way flow to a decentralised, two-way flow system or is it likely to stay the same? What are the potentially successful future business models for a decentralised future?</li> <li>2. Is the future of electricity likely to be black, green or in-between? What are the drivers and inhibitors for the uptake of different technologies, including demand side opportunities.</li> <li>3. Is Australia like a “vegan working in an abattoir” by being the world’s third-largest exporter of uranium while prohibiting the use of nuclear power on its own soil? Is nuclear power a solution for Australia? Is there an opportunity or even a moral obligation to store spent fissile material in Australia?</li> </ol> <p><b>8.15am: Introduction by Dr Alex Wonhas</b></p> <p><b>8.25am: Presentation</b> – Ian McLeod – Chief Executive Officer, Ergon Energy  <i>“What are the possible futures for our electricity systems”</i></p> <p><b>8.40am – Presentation</b> – Ivor Frischknecht, Chief Executive Officer, ARENA</p> <p><b>8.55am – Presentation</b> – Ben Heard, Director, ThinkClimate Consulting  <i>“Beyond our Shores: A visual world tour exploring Australia’s nuclear responsibilities”</i></p> <p><b>9.15am – Panel discussion</b> – Moderated by Alex Wonhas</p> <p><b>Panellists –</b>            Ivor Frischknecht, CEO Arena            Terry Effeney, Chief Executive Officer, Energex            Ian McLeod, Chief Executive, Ergon Energy            Michael Ellis, Principal, McKinney &amp; Company            Ben Heard, Director, ThinkClimate Consulting</p>
10.05am	<b>Theme closes</b>