

TOPIC 1 - CLIMATE CHANGE & ENERGY POLICY

Monday 14 September 2015

The Science Exchange, 55 Exchange Place, Adelaide SA 5000

Mr David Swift & Ms Nicola Falcon, AEMO (9am)

David Swift is Executive General Manager, Corporate Development and Nicola Falcon is Group Manager, Planning, at the Australian Energy Market Operator (AEMO). AEMO operates the energy markets in eastern and southern Australia. This includes operating the National Electricity Market, maintaining the security of the National Grid and providing a range of forecasting and planning functions.

Topics to be addressed at this public session:

- ⊕ Current and strategic trends in energy demand in Australia
- ⊕ Types and relative demand of Australian energy users (current and projected)
- ⊕ Impact of decentralisation and efficiency measures.

Associate Professor Mark Diesendorf, UNSW (11am)

Mark Diesendorf is Associate Professor and Deputy Director of the Institute of Environmental Studies at UNSW Australia. Currently his principal research is on energy policy, energy technology assessment, including economic and environmental impacts, and integrating renewable energy on a large scale into electricity supply-demand systems.

Topics to be addressed at this public session:

- ⊕ Low cost methods of abatement of greenhouse gases in Australia
- ⊕ Factors affecting viability of energy generation facilities
- ⊕ Appropriate assumptions in comparing different energy generation technologies.

Professor Graham 'Gus' Nathan and Dr Robert Dickinson, University of Adelaide (1.30pm)

Gus Nathan is the founding Director of The University of Adelaide's Centre for Energy Technology, and Robert Dickinson is a Member of the Centre. The Centre has identified novel approaches with strong potential to make a breakthrough in the delivery of low-cost, clean energy technologies and has engaged with partners spanning industry, international research institutions and government agencies.

Topics to be addressed at this public session:

- ⊕ Co-generation and the role of energy in industrial production
- ⊕ Suitability of nuclear power generation in the South Australian context.



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Professor David Karoly, University of Melbourne (3pm, by videolink)

David Karoly is a Professor of Atmospheric Science in the School of Earth Sciences at the University of Melbourne, and a member of the Climate Change Authority. He is an internationally recognised expert in climate change and climate variability, and was a Review Editor of the chapter 'Australasia' in the IPCC Fifth Assessment Report released in 2014.

Topics to be addressed at this public session:

- ⊕ Climate change predictions and effects
- ⊕ International and national response and targets