



# South Africa's Electricity Supply Conference: The True Cost of Electricity Options and the Choices for South Africa 15 August 2013

## PROGRAMME\*

**07:30 – 08:15**      **Registration with tea and coffee**

**08:20 – 08:30**      **Welcome**

Barry Maccoll, *General Manager; Research, Testing and Development Sustainability Division, Eskom*  
& Dave Collins, *Principal Consultant, MAC Consulting*

### **SESSION A - Setting the context.**

**SA needs the correct mix of electricity to grow its economy and to alleviate poverty**

**08:30 – 09:00**      **Key Note Address**

**Towards a secure, competitively priced and environmentally sustainable electricity future**  
Professor Anton Eberhard, *University of Cape Town*

**09:00 – 09:30**      **South Africa's Electricity Plan – Are the assumptions still appropriate and what is the future direction**

TBD, *Department of Energy*

**09:30 – 10:00**      **The business Imperative - The reality of the South African Economy: Electricity and its importance and impact on SA business**

Mr Shaun Nel, *Director, BDO Consulting*

**10:00 – 10:30**      **Questions and Answers**

**10:30 – 11:00**      **Tea and Coffee Break**

### **SESSION B**

**Building the case for various technology options i.e. the compelling case for electricity generation in South Africa from:**

**11:00 – 11:20**      **Coal: Recent growth and future prospects for electricity production, globally and locally**

Mr Ian Hall, *SA Coal Road Map*

**11:20 – 11:40**      **Gas (levelised costs, strategic advantages for electricity production, comparative strengths)**

Mr Cavan Hill, *Sasol*

**11:40 – 12:00**      **Nuclear (levelised costs, strategic advantages for electricity production, comparative strengths)**

Mr Dave Nicholls, *Eskom*

**12:00 – 12:20**      **Solar (levelised costs, strategic advantages for electricity production, comparative strengths)**

Mr Wikus van Niekerk, *Centre of Renewable Energy Research at University of Stellenbosch*

**12:20 – 12:40**      **Wind (levelised costs, strategic advantages for electricity production, comparative strengths)**

Mr Johan van den Berg, *South African Wind Energy Association*

**12:40 – 13:00**      **Questions and Answers – Discussion**

**13:00 – 14:00**      **Finger Food Lunch**

\*Programme is subject to change by the FFF and the Conference Organisers

### SESSION C

**The South African Context – The basis for decision making - Why certain choices need to be made and why we should avoid certain technology options.**

- 14:00 – 14:30      **Electricity and Employment. The Key to South Africa's Economic, Social and Political Prosperity**  
Mr Rob Jeffrey, *Director and Senior Economist, Econometrix*
- 14:30 – 15:00      **Environmental Imperatives, Externalities and the Implications for Electricity Generation**  
Ms Manisha Gulati, *Energy Economist, WWF South Africa*
- 14:30 – 15:00      **South Africa in 2024 – A Dark Night or a New Dawn**  
Mr Frans Cronje, *Deputy CEO, South Africa Institute for Race Relations*
- 15:00 – 15:30      Tea and Coffee Break**

### SESSION D

#### **Panel Discussion and Wrap up**

- 15:30 – 16:30      **Professionally facilitated panel that is structured in such a way to give life to the positions offered in the preceding three sessions. The aim is to either gain consensus (highly unlikely) or (more probable) list those things that the country must address in order to gain a common view of the way ahead. An example of such a finding could be the need for a comprehensive database for levelised costs of electricity (LCOE) for South Africa.**
- Facilitator:      Mr Chris Yelland, *Managing Director, EE Publishers*  
Panellists:      Prof Anton Eberhard, *University of Cape Town*  
                     Mr Shaun Nel, *Director, BDO Consulting*  
                     Mr Frans Cronje, *Deputy CEO, South Africa Institute for Race Relations*  
                     Mr Rob Jeffrey, *Director and Senior Economist, Econometrix*  
                     Dr Steve Lennon, *Group Executive: Sustainability, Eskom*  
                     Department of Energy
- 16:30 – 17:30      Networking Opportunity**