



NSTF Discussion Forum

SUSTAINABLE ENERGY FOR ALL IN SOUTH AFRICA

In alignment with the UN international decade of Sustainable Energy for All

16-17 April 2018, Kempton Park, Gauteng

DRAFT Programme – #SEforAll

Day 1: 16 April - Morning Session: 09:00-13:00

| Item | Topic | Presenter |
|--------------------|--|---|
| 08:30-09:00 | Arrival and registration | All |
| 09:00-09:30 | Welcome to participants Outline of the purpose of the meeting and its intended outcomes | Ms Jansie Niehaus , Executive Director: NSTF |
| 09:30-10:00 | Legislation and policy environment for sustainable energy in South Africa | Department of Energy (DoE) – tbc |
| 10:00-10:15 | Q&A | |
| 10:15-10:45 | Skills Development in Support of the Green Economy | Dr Rebecca Maserumule , Department of Science and Technology (DST) |
| 10:45-11:00 | Q&A | |
| 11:00-11:15 | Tea | |
| 11:15-11:55 | WASTE NOT WANT NOT: Waste to Energy a Sustainable Technology for All | Prof Diane Hildebrand , UNISA |

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|--------------------|---|--|
| 11:55-12:35 | The role of energy efficiency to ensure sustainability of energy supply for all | Dr David Kock , Chief Scientist: Spectroscopy, South African Nuclear Energy Corporation (NECSA) |
| 12:35-13:00 | Wrap-up for the morning, and direction for afternoon activities | Jansie Niehaus |
| 13:00-13:45 | Lunch | |

Day 1: Afternoon Session - 13:45-16:00 Breakaway groups

Track A: Environmental sustainability of energy sources

| Item | Topic | Presenter |
|-------------|---|--|
| 13:45-14:15 | The case for renewable sources of energy | South African Renewable Energy Council (SAREC) – tbc |
| 14:15-14:45 | Advantages and disadvantages of biofuels and other clean fuels | Prof Sanette Marx , Chair in Biofuels and Other Clean Alternative Fuels (NWU) |
| 14:45-15:15 | Environmentally responsible methods to mitigate the use of coal in a sustainable energy mix | Chair in Clean Coal Technology (Wits) – Prof Rosemary Falcon |
| 15:15-15:45 | Environmental impact of nuclear energy | Dr Pulane Elsie Molokwane , National Planning Commission |
| 15:45-16:30 | Summary & Recommendations Wrap-up for the day, and notice on discussions for next day | |

Track B: Economic sustainability of energy sources

| Item | Topic | Presenter |
|-------------|--|--|
| 13:45-14:15 | Questioning the existence an economic producible shale gas resource in the southern Main Karoo Basin based on results of the CIMERA-Karin drilling project | Prof Nicolas J Beukes , Director, DST-NRF Centre of Excellence for Integrated Mineral and Energy Resource Analysis (CIMERA) Prof Michiel de Kock , CIMERA, Geology Department, UJ |
| 14:15-14:45 | Economic aspects of the country's energy mix | Mr Jarrad Wright , PrEng MSc, Principal Engineer, CSIR Energy Centre |
| 14:45-15:15 | Interpreting the carbon tax | Ms Candice Gibson , Senior Associate - Tax & Exchange Control, Cliffe Dekker Hofmeyr |
| 15:15-15:45 | Benefits and challenges of various energy sources | |
| 15:45-16:30 | Summary & Recommendations Wrap-up for the day, and notice on panel discussions for next day | |

Track C: Access to energy for all

| Item | Topic | Presenter |
|-------------|---|--|
| 13:45-14:15 | | South African Association for Energy Economics – Prof Roula Inglesi-Lotz (President of SAAEE) |
| 14:15-14:45 | Supporting sustainable energy solutions for low income households | |
| 14:45-15:15 | The potential of renewable energy sources to provide energy for all | Renewable Energy South Africa (RESA) – tbc |
| 15:15-15:45 | Aspects of planning for sustainable energy for all in the future | Chair in Development Planning & Modelling (Wits) - tbc |
| 15:45-16:30 | Summary & Recommendations Wrap-up for the day, and notice on panel discussions for next day | |

Day 2: 17 April. 09:00 – 13:15

| Item | Topic | Presenter |
|--------------------|--|--|
| 09:00-09:05 | Welcome | Ms Jansie Niehaus , NSTF |
| 09:05-09:35 | Risks to environmental sustainability of various energy sources | Department of Environmental Affairs (DEA) – tbc |
| 9:35-9:50 | Q&A | All |
| 9:50-10:20 | EPRI's Efficient Electrification initiative on costs and benefits to society | Mr Barry MacColl , Senior Regional Manager, EPRI's Efficient Electrification Initiative |
| 10:20-10:35 | Q&A | All |
| 10:35-10:50 | Track A Report-back | Tbc |
| 10:50-11:15 | Tea | |
| 11:15-11:30 | Track B Report-back | Tbc |
| 11:30-11:45 | Track C Report-back | Tbc |
| 11:45-12:45 | Discussion | Facilitator: Jansie Niehaus |
| 12:45-13:15 | Wrap up of the meeting. Outline of follow-up actions and responsible parties. Thank you's and closing the conference. | Conference organisers and chairperson |
| 13:15-14:00 | Lunch | |

Day 2: 17 April. 13:30 to 16:00

| Item | Topic | Presenter |
|-------------|--|--|
| 14:00-14:30 | The role of Eskom Research, Testing and Development (RT&D) to contribute to the advancement of renewable sources of energy | Ms Sumaya Nassiep, Acting GM, RT&D, Eskom |
| 14:30-15:30 | Virtual tour of renewable energy R&D at Eskom | Eskom RT&D |
| 15:30-16:00 | Questions and discussion | Facilitator: Jansie Niehaus |

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