



## Transitions in South Africa's energy provision 22-23 August 2023

The [National Science and Technology Forum \(NSTF\)](https://www.nstf.org.za) @NSTF\_SA is hosting a discussion forum on issues around South Africa's electricity crisis and what major transitions are required to resolve it.

### Programme

Read the biographies of the speakers: [Day 1 \(22 August\)](#) and [Day 2 \(23 August\)](#).

#### Day 1: 9:00 to 13:00

Time starting	Time ending	Topic	Speaker/ Organisation
9:00	9:10	Welcome to participants and introductions; programme, outputs, and intended outcomes	<b>Ms Jansie Niehaus</b> , Executive Director: NSTF
09:10	09:50	Presidential Climate Commission and the Just Energy Transition	<b>Mr Steve Nicholls</b> : Head: Climate Mitigation, Presidential Climate Commission (PCC)
09:50	10:00	Q&A	ALL
10:00	10:30	The commercialisation of technologies ecosystem	<b>Mr Dayanandan Naidoo</b> : Head: Natural Resources and Energy Business Units, Technology Innovation Agency (TIA) @tiaorgza
10:30	11:00	Barriers to the transition to solar energy	<b>Mr Norman Moyo</b> , Chairperson: South African Photovoltaic Industry Association (SAPVIA) @SAPVIA
11:00	11:30	South Africa's Hydrogen roadmap – progress and potential	<b>Dr Cosmas Chiteme</b> : Acting Chief Director: Hydrogen and Energy, Department of Science and Innovation (DSI) @dsigovza

11:30	12:00	How can independent power producers assist in resolving the electricity crisis and what will it take?	<b>Mr Thomas Garner:</b> Chief Executive Officer: Earth & Wire (Pty) Ltd; and Chairman: South African Independent Power Producers Association (SAIPPA)
12:00	12:30	Integration of renewable sources into the South African electricity system: opportunities and risks	<b>Prof Bernard Bekker:</b> Chair: Power System Simulation, Department of Electrical & Electronic Engineering, Centre for Renewable & Sustainable Energy Studies (CRSES), Stellenbosch University (SU) <b>@StellenboshUni</b>
12:30	13:00	Q&A and discussion	All

**Day 2: 9:00 to 13:00**

Time starting	Time ending	Topic	Speaker/ Organisation
09:00	9:10	Welcome to participants & introductions	<b>Ms Jansie Niehaus,</b> Executive Director: NSTF
9:10	9:50	How can the nuclear energy option help to solve SA's energy crisis?	<b>Mr Loyiso Tyabashe:</b> Chief Executive Officer: Nuclear Energy Corporation of South Africa (NECSA) <b>@necsa_Ltd</b>
9:50	10:00	Q&A	ALL
10:00	10:30	Implications of fossil fuel economics & climate policy on SA's energy system & economy	<b>Ms Jesse Burton:</b> Senior Researcher, Energy Systems Research Group, Department of Chemical Engineering, University of Cape Town (UCT) <b>@UCT_Research</b>
10:30	11:00	Regulatory review of the electricity market in South Africa in the context of the transition to renewable sources	<b>Ms Ruse Moleshe</b> Non-Executive Director: Revego Africa Energy Limited (REVEGO)
11:00	11:30	The importance of energy efficiency	<b>Ms Ashanti Mbanga:</b> Project Manager: Appliance Standards and

			Labelling, South African National Energy Development Institute (SANEDI) <a href="#">@sandedi_org</a> and Vice Chairperson: SA Females in Energy Efficiency (SAFE)
11:30	13:00	Q&A	All

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