



S.E.T. for socio-economic growth

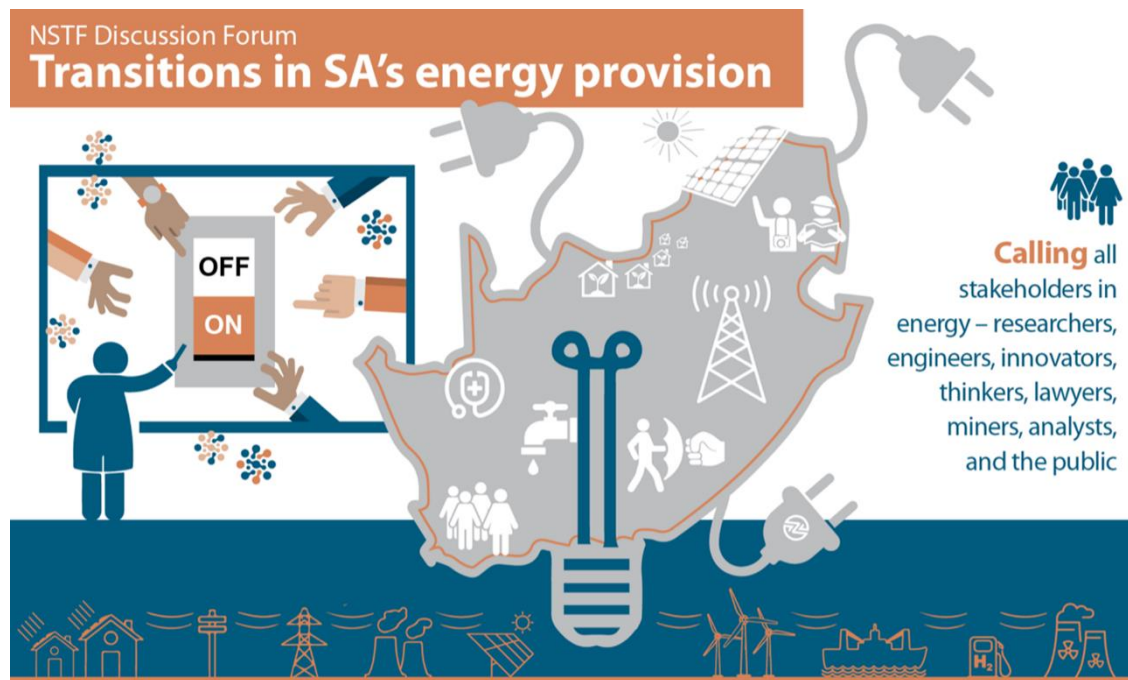
## National Science and Technology Forum (NSTF)

# discussion forum

## Transitions in South Africa's energy provision

22-23 August 2023

The [National Science and Technology Forum \(NSTF\)](http://www.nstf.org.za) is hosting an online discussion forum on [Transitions in South Africa's \(SA's\) energy provision](https://www.nstf.org.za/discussion-forum/transitions-in-south-africa-s-energy-provision) on 22-23 August 2023.



**Join the online conversation and make your voice heard.**  
Click [here](#) to register.

A system of loadshedding (rolling blackouts) is now a feature of daily life, and the increasingly negative effects of this are experienced by all South Africans: from struggling with the tasks of daily life and maintaining small businesses, to the dire effect on the economy and sinking levels of global confidence; from education/training activities under current conditions to the dire state of health care; from the reliability of water supply, to the strength of cell phone signals.

There are multiple problems related to the energy crisis including shedding of jobs, crime, maintenance of infrastructure and impacts on the economy. What should be done? What advice can be given to the powers that be, on how to handle and mitigate the disasters we face on all levels as a result of this major disaster? There is a greater sense of urgency

than ever to press the authorities to take action – what are the priority actions advised by scientists and engineers? What should be done immediately, in the medium term, and over the long term?

This online discussion forum aims to focus on the following key questions: *How should these transitions be managed? What science, engineering best practice, and technology can inform these transitions? How can SA's electricity crisis be ended, its impacts mitigated and long term supply of electricity be established on a firm footing?*

**The main topics/ themes to be discussed:**

1. Overview and analysis of the problems and their impacts
2. The government's Energy Plan
3. The Just Transition towards low carbon emissions
4. Transition to greater energy efficiency
5. Transition to solar energy
6. Transition to hydrogen fuel and/or biomass fuels
7. The nuclear energy option as part of the mix

**Points to consider in every topic/theme:**

- What research has or can inform the government's choice of actions?
- Breaking down the overwhelming problem of supplying the SA economy and population with electricity, what should the timeline be for various actions and deliverables?
- What technologies should be invested in over the long term?
- Is the government on the right track?
- What provision is made for maintenance of infrastructure? What measures are necessary?

**Outputs:**

As is usual for [NSTF Discussion Forums](#), a media release will be issued which summarises the most important issues and conclusions. The following outputs will also be made available on the event page and through social media platforms ([Facebook](#), [Instagram](#), [Twitter](#), [YouTube](#) and [LinkedIn](#)):

- Video recordings of speakers' presentations (subject to the speakers' agreement)
- Presentation slides (if available and subject to the speakers' agreement)
- Speakers' biographies
- Useful links
- NSTF will engage the media on possible interviews and/or articles, and post on social media before, during and after the event

### Delegate registration information

**Date:** 22-23 August 2023

**Time:** 09:00-13:00 (on both days)

**Continuous Professional Development (CPD) points:** CPD points will be awarded to attendees who are registered with [SACNASP](#) (South African Council for Natural Scientific Professions), as well as [ECSA](#) (Engineering Council of South Africa), in collaboration with the [Institute of Professional Engineering Technologists](#) (IPET). For other affiliations, please contact the NSTF office at [enquiries@nstf.org.za](mailto:enquiries@nstf.org.za).

**Register (online event):** The event is held online via the NSTF Zoom platform. You will receive an email to confirm your subscription, whereafter you will be diverted to a web page with the the Zoom link. Click here to [register](#).

*Attendance and participation in this NSTF Discussion Forum is FREE to all those interested. Please note that if you do not register, the NSTF cannot be held responsible for any unforeseen changes or cancellations of programmes. Communications are sent only via e-mail or through notifications on the NSTF website.*

**About the NSTF:** The NSTF is a non-profit [stakeholder forum](#) representing the science, engineering, technology (SET) and innovation community in South Africa. The [membership](#) consists of more than 130 organisations, and ranges from research institutions, universities and state entities to business, [professional societies \(proSET\)](#) and civil society. The NSTF promotes collaboration and critical thinking among a broad range of stakeholders. [NSTF Discussion Forums](#) gather stakeholders together, across the public and private sectors, to exchange knowledge and ideas, and give feedback to government and relevant authorities.

## About the NSTF

The National Science and Technology Forum (NSTF), established in 1995:

- is a broadly-representative stakeholder body for all science, engineering and technology (SET) and innovation organisations in South Africa
- gathers stakeholders around burning issues of national and global interest, across the public and private sectors, including matters of public policy
- includes a network of professional societies in SET and STEM education (STEM = science, technology, engineering and mathematics) - the NSTF proSET membership sector.
- recognises, awards and profiles the outstanding contributions of individuals and groups to SET and innovation through the prestigious NSTF Awards
- runs and supports collaborative projects and youth outreach, including recognition of top performance in mathematics and science, role modelling, bursary and STEM career information
- runs and supports the STEMulator.org which attracts youth and educators to Explore>Discover>Learn the world of STEM including careers. (Established by NSTF proSET)

### For more information

[www.nstf.org.za](http://www.nstf.org.za)

E-mail: [enquiries@nstf.org.za](mailto:enquiries@nstf.org.za)

### Disclaimer

The NSTF has taken all practical measures to ensure that the material contained in this newsletter is correct.

### Privacy

Registration details submitted to the NSTF will be treated confidentially and will only be used by NSTF to communicate with its members and subscribers, as required by the South African Protection of Personal Information Act.

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