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Scenarios for Powering the South African Electricity Grid to Supply the Electricity Demand in Future

Monday, 4 July 2022 10:30 (45 minutes)

South Africa is grappling with a number of very serious challenges to supply the country with sufficient electricity to service the requirements of all sectors of the economy as well as the demand from all our citizens. Some of these are driven by global concerns, such as the carbon emissions from coal-fired power stations causing climate change, and others specific to the South African landscape, such as the collapse of the skills base of the staff of our national utility.

In this talk we will review the current state of the electricity supply system in South Africa, the possible demand going forward and how we will be able to service this demand considering all the options available. We will focus on possible scenarios that may play out given our current context and constraints; discuss the benefits and risks of the various supply options; and theorise on the what may be the best pathway in the short and medium term.

Apply to be considered for a student ; award (Yes / No)?

No

Level for award;(Hons, MSc, PhD, N/A)?

N/A

Consent on use of personal information: Abstract Submission

Yes, I ACCEPT

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