

What are the barriers to the energy transition in South Africa?

The primary barrier identified to the energy transition in South Africa was the state electrical utility ESKOM, which occupies a central position in terms of the country's national energy strategy.

Does South Africa have an energy transition?

The subject of the energy transition has a long history in South Africa. Swilling et al. (2015) assessed the prospects for the energy transition in the country. They noted that the energy system generated inequalities relating to uneven spatial harms, environmental impacts, and the unequal capacity to mitigate and adapt.

Does South Africa have a good energy system?

South Africa, the second-largest economy in Africa, has a large energy sector and ranks 82 out of 120 countries on the ETI 2023. The country has improved its overall ETI score by 6% since 2014. South Africa's system performance scores have improved, supported by better performance in energy access, electricity and clean cooking fuels.

How does political power affect the energy transition in South Africa?

This political power goes hand in hand with that of the mining unions. One of the main political influences affecting the energy transition in South Africa is the labour movement, as represented by the National Union of Mineworkers (NUM). The NUM is the largest affiliate of COSATU (the Congress of South African Trades Unions).

What challenges will South Africa face in the energy transition?

South Africa's energy transition nevertheless faces challenges in the medium to long term, including key players influencing policy formulation and having an incentive to support coal, as well as economic and social fallout from the loss of jobs and livelihoods in the coal industry.

What are the energy issues in South Africa?

Any synopsis of energy issues in South Africa must begin with the fact that around 90% of its electricity derives from coal power stations. The mining sector creates 15% of South Africa's greenhouse gas emissions and uses 48% of the nation's electricity (South Africa National Development Plan, 2017).

The Energy Action Plan (EAP) is South Africa's plan to end load shedding and achieve energy security. Announced by President Cyril Ramaphosa in July 2022, it outlines a bold set of actions aimed at fixing Eskom and adding as much new generation capacity as possible, as quickly as possible, to close the gap in electricity supply.

3 ???&#0183; Johannesburg, 13 December 2024. Since its inception on 1 December 2022, Seriti Green - a diversified energy company and leading force in South Africa's Just Energy Transition (JET) - has been at the

forefront of driving ...

The country developed this investment plan to clarify its priority investment requirements starting in 2023 in the electricity, New Energy Vehicles (NEVs), and green hydrogen sectors, to support goals of energy security, a just transition, and economic growth.

Drawing on a range of analytical perspectives, including socio-technical studies, just transitions, and critical political economy, it explains why South Africa's energy transition from a coal-dependent, centralised power generation and distribution system has been so slow, and reveals the types of socio-political inequalities that persist ...

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The primary barrier identified to the energy transition in South Africa was the state electrical utility ESKOM, which occupies a central position in terms of the country's national energy strategy. It is the largest generator of electricity in Africa ( Baker et al., 2014 ) and is described by Jaglin and Dubresson (2016) as the 6th largest ...

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The study finds four main objectives shaping the energy sector in South Africa: "Energy availability", "Maintaining profitability of the coal sector", "Environmental and climate protection" and "Reducing inequalities and employment insecurity".

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