

## Electricity policy maseru

Lesotho Electricity and Water Authority (LEWA) was established through the Lesotho Electricity Authority (LEA) Act. No. 12 of 2002 as amended. The Authority operates in line with the Government policy on electricity and water supply matters. LEWA is funded through License fees and customer levies.

Objectives. To improve security of energy supply. &#183; To increase energy access and promote sustainable use. &#183; To review and develop policy, institutional and regulatory frameworks. &#183; To stimulate economic development through energy resources. &#183; To improve efficiency and effectiveness of internal and external processes and.

Ensure the financial viability of efficient regulated electricity undertakings. Ensure the collection, publication and dissemination of information relating to standards of performance by licensed operators and on the electricity sector in Lesotho for use by the industry, consumers and prospective investors.

This study examined how the government of Lesotho failed to design policies that encourage cooperatives and rural dwellers to own and manage electricity in the country. It informs the government, policy-makers and stakeholders in the energy sector of the problems caused by exclusionary policies.

To become an energy self-sufficient nation with sustainable, affordable and universally accessible energy, while minimising negative impact on the environment and creating intergenerational value.

The Ministry responsible for energy affairs shall create an enabling environment for efficient and effective energy services delivery to enhance access, affordability and ultimately socio economic development.

To improve security of energy supply.? To increase energy access and promote sustainable use.? To review and develop policy, institutional and regulatory frameworks.? To stimulate economic development through energy resources.? To improve efficiency and effectiveness of internal and external processes and systems.

0REPORT ON MINI - GRID POWER GENERATION DISTRIBUTION AND SUPPLY REGULATIONS,  
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This study aims to produce a research-based integrated electricity expansion plan for Lesotho that focuses on the security of supply at national level. The Autoregressive Integrated Moving Average (ARIMA) is used to model electrical demand and the PLEXOS modelling tool is used to analyse the cost of investing and producing future electricity for the country.

The results underscore the need for investment geared towards local generation particularly in large hydro up to 0.22 GW, PV up to and 1.1GW and pumped storage up to 0.5GW by 2050, to keep up with future demand and reduce the cost of imported electricity in the country.

Succinctly, the investigation reveals, inter-alia, that: 1) Lesotho's energy demand will continue to increase over the modelled period (up to 2050), with the gap between the local generation and demand concomitantly increasing; 2) large hydro generation, if harnessed will guarantee long-term energy security and cheaper energy relative to both imports and small hydro; 3) any shift in the energy policies of external suppliers at current tariff structures, will increase

Lesotho's energy costs significantly, thus, negatively impacting on the country's economy; and 4) investing in local energy generation will guarantee long-term national energy security and affordability.

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