

Long-term energy scenarios (LTES) for developing national energy transition plans in Africa

Webinar series

[Energy Planning Process in Kenya]

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OUTLINE

- BACKGROUND
- LCPDP
 - DEVELOPMENT
 - APPROVAL
 - IMPLEMENTATION AND POLICY
- CAPACITY BUILDING

BACKGROUND

- Ministry of Energy deals with energy except Petroleum which is under the Ministry of Petroleum and Mining
- Two legislation govern Energy - Energy Act, 2019 and Petroleum Act, 2019
- The Energy Act, 2019 provides for the development of an Integrated National Energy Plan (INEP) every 3 years -with respect of **coal, renewable energy and electricity**
- INEP shall consolidate
 - All national energy service provider plans
 - county energy plans
- 5 Sub-Energy plans and committees
 - Electricity (Least Cost Power Development Plan)
 - Energy access
 - Bio-energy
 - Energy efficiency and conservation
 - Energy resource and development

LCPDP DEVELOPMENT PROCESS

- LCPDP is developed by a committee:
 - All energy sector entities - Technical and Oversight committee
 - Kenya Private Sector Alliance (KEPSA), Vision 2030 Delivery secretariat and Kenya National Bureau of Statistics (KNBS).
- Skills of LCPDP committee members
 - Economists
 - Engineers
 - Scientists
 - Financial Analysts
- The team has competencies in demand forecasting, generation expansion planning , transmission expansion planning and financial modeling
- The LCPDP Technical Team undertakes all the simulations and drafts the report
- Occasionally consultants are engaged to assist the committee

LCPDP APPROVAL PROCESS

- Approval process
 - Previously EPRA was the convenor of all the committees
 - Oversight Committee reviews and approves the draft report
 - The report is presented to EPRA board of directors
 - Circulated to all utilities for implementation

- Ongoing Process amendment
 - KPLC is the convenor of the Committees
 - Oversight Committee reviews and approves the draft report
 - Boards of Directors of all participating public sector agencies formally approve the LCPDP.
 - Concurrence is sort from the Cabinet Sub-committee

LCPDP IMPLEMENTATION AND POLICY

■ Implementation

- All projects are procured inline with the LCPDP.
- Entities are responsible for the procurement of projects under their purview
- **New requirement** – any variations from the LCPDP to be subjected to the entire LCPDP approval process

■ Policy

- LCPDP provides a linkage of the electricity subsector with other National development plans
- Informs national targets and Energy policies
- Guides infrastructure development in the sub-sector

PLANNING CAPACITY

- Technical committee members have modelling capacity in:
 - demand forecasting
 - generation expansion planning
 - transmission expansion planning
 - financial modeling
- Continuously engaging with development partners for training of the committee and acquisition of new planning tools
- Exploring opportunities of partnering with local universities and research bodies

Thank you for your attention



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