

**COP27 POLICY BRIEF SERIES**

# Supporting integrated energy planning at the sub-national level – The Case of Kenya

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## Summary

The devolution process initiated by the Constitution of Kenya (2010) is expected to lead to a more equitable sharing of resources, heightened participation in energy planning at the sub-national level, and targeted investments, particularly in areas that have been historically neglected. Sub-national energy planning presents several opportunities, including addressing energy gaps,

attracting investments in the energy sector, mitigating negative impacts associated with the use of traditional forms of energy, and greenhouse gas reductions. However, several challenges must be first addressed, including strengthening the coordination process, building technical and management capacity at the county level, and developing holistic approaches that include non-electric energy sources such as cooking and transportation fuels.

## Key Policy Recommendations

- Develop a national repository of County Energy Plans that consolidates the findings and recommendations from sub-national planning outcomes.
- Address critical data gaps, standardize data collection methods, and develop internal capacity at the sub-national level to continuously collect and analyse data.
- Place equal emphasis on energy service provision beyond access. Planning for non-electric energy sources – including thermal applications, such as cooking, and energy for transport – should be strengthened.
- Ensure gender considerations and impacts on health, climate, and environment are integrated throughout the data collection, analysis, and planning process.



# Challenges and opportunities associated with sub-national energy planning

The Ministry of Energy oversees national energy planning and execution through various parastatals<sup>1</sup>, including Kenya Electricity Generating Company (KenGen), Kenya Power, Kenya Electricity Transmission Company (KETRACO), Geothermal Development Company (GDC), and the Rural Electrification and Renewable Energy Corporation (REREC). The primary focus, however, has been on expanding access to electricity and improving supply quality.

**Beyond energy access:** Other aspects of energy access, including sustainable transportation, energy for cooking, and productive uses of energy (PUE) have typically taken a secondary position. Planning also emphasizes access in general terms, with insufficient attention given to gender inclusion. This is expected to improve with the implementation of the Gender Policy in energy launched in 2019 [6]. There is strong evidence that energy poverty disproportionately impacts women's health, levels of empowerment, access to information, use of time, and levels of income [7]. Consequences on climate, health, and the environment should also form part of this sub-national planning process.

**Need for standardization:** Through SETA and the proposed Integrated National Energy Planning (INEP) process, the national government is establishing a mechanism to improve the coordination of the planning process. County Energy Plans (CEP) are currently not standardized and differ in scope, implementation timeframe, methodologies, and presentation format. This makes it difficult to aggregate the CEPs into one unified national document. Standardizing CEPs is inherently

challenging as the counties differ substantially, with rural counties such as Turkana being net energy exporters while urban counties such as Kiambu are net energy importers. Integrated planning also requires a national repository for monitoring and tracking progress, which is currently lacking.

**Resource and capacity gaps:** Counties lack the technical capability, experience, and resources to develop, implement, and update their CEPs. Energy departments at the county level are typically understaffed and under-resourced. Most current CEPs have been drafted through external support, which is often unsustainable. The counties also lack the necessary data and information to sufficiently support the process of preparing and updating CEPs. Due to the 5-year electoral cycles leading to inevitable changes in leadership, full ownership and continuity of the process is sometimes compromised. Implementing CEPs require substantial financial resources. Limited access to funding curtails the ability of counties to realize their plans. The inability to successfully implement CEPs could compromise the counties' appetite to develop new and updated plans.

**Responsive and inclusive planning:** Devolution provides the opportunity to develop more responsive national plans in line with the aspiration of the sub-national governments. Closing the affordability and access gap that stands in the way of achieving universal access to energy can be better addressed through

<sup>1</sup> Parastatals are companies or organizations fully owned by the Government or where the Government owns a controlling shareholding stake.



PHOTO: NICOLA STOCKTON / PIXABAY

“Devolution provides the opportunity to develop more responsive national plans in line with the aspiration of the sub-national governments.”

national and sub-national coordination. Counties also have an opportunity to develop energy investment plans outlined in the CEP and attract partnerships, investments, and development funding. Addressing the drivers of greenhouse gas emissions, especially in the cooking sector, can be done at the sub-national level. Access to cleaner cooking options will also alleviate the negative impacts of household air pollution which is a leading cause of premature deaths. The Constitution (2010) mandates the county governments to develop regulation and licensing procedures for charcoal production, transportation, and distribution [4]. Unsustainable charcoal is one of the leading drivers of environmental degradation and greenhouse gas emissions in Kenya [8].

## Recommendations

These recommendations provide actionable options for enhancing sub-national energy planning processes.

- **Develop an online national aggregation platform:** As counties develop their County Energy Plans (CEPs), elements of these plans need to be standardized, collected, analysed, and presented through a national repository that tracks the needs, aims, and processes through a consolidated national narrative. This will also foster transparency and accountability while sharing best practices across counties.
- **Develop data collection approaches and templates:** Addressing critical data gaps (especially on non-commercial energy sources, including traditional biomass) and standardizing data collection methods across counties is critical. This should be complemented by developing an internal capacity to collect and analyse data continuously. This will not only improve the integration process but also save time and costs.
- **Promote holistic planning:** Place equal emphasis on energy service delivery, especially for non-electric energy sources, including thermal applications, such as cooking, and energy for transport which are not exhaustively included in the current planning processes.
- **Integrate gender and climate change concerns:** Building the 2019 Gender Policy [6] in energy, ensure gender considerations and impacts on health, climate, and environment are integrated throughout the data collection and planning process.

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## ACKNOWLEDGEMENTS:

Dr Stephanie Hirmer (Oxford University) and Prof. Jim Watson (University College London) have led the curation of this policy brief series. The policy briefs underwent an anonymous (double blind) peer-review process. They were edited by Simon Patterson (Loughborough University) and designed by Sarel Greyling (Sarel Greyling Creative).

This material has been produced under the Climate Compatible Growth (CCG) programme, which brings together leading research organizations and is led out of the STEER centre, Loughborough University. CCG is funded by UK aid from the UK government. However, the views expressed herein do not necessarily reflect the UK government's official policies.



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**CITATION:** Barasa, M., Bickersteth, S., and Hirmer. S. (2022). Supporting integrated energy planning at the sub-national level – The Case of Kenya. Climate Compatible Growth Programme COP27 Policy Brief Series (Version 1). Available at: <https://climatecompatiblegrowth.com/evidence-on-ccg-for-the-etc-2022/>



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