

ACTIVITIES TOWARDS LOW CARBON TECHNOLOGIES & TECHNOLOGY TRANSFER



NAIROBI CITY
COUNTY

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High-Level Discussion

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Content

- Introduction
- Transport
- Forestry
- Parks & Open Spaces
- Energy Infrastructure & Technology
- Waste Management & Infrastructure
- Agriculture
- Conclusion

Introduction

- The Nairobi City County Government is making efforts to adopt low carbon technologies in various relevant sectors.
- This is being achieved through stakeholder collaboration in developing programmes, projects and initiatives as captured in the 2015-2025 Strategic Plan.

Transport

The long term Integrated Urban Development Master Plan is strategic for the development of:

- Feasibility study on cable car lines
- Satellite cities to decentralize services from the CBD
- Integrate different modes of transport such as increased rail service, provision for passage of non-motorized traffic & a Rapid Mass Transport System. This would ease congestion and cater for multitude people who operate with matatus every day to and from work.
- The first phase (2018-2030) will realize a Road Based Bus Rapid Transit System (BRTS) with upgrade possibilities to a Light Rail Transit System (LRTS).
- The second phase (2030) will realize the Rail Based Mass Rapid Transit System (MRTS).

Forestry

Nairobi a number of forests and other green spaces (Nairobi National Park; Ngong road forest; Ololua forest; Nairobi Arboretum) that have over the years undergone wanton excisions. The forest cover in Nairobi is at 7% making Nairobi one of those counties which still has high forest cover despite being lower than the global recommended. Nonetheless a number of policies and laws have been formulated to reverse the trend of excisions and enhance conservation.

The beautification programme in Nairobi:

- It aims to add green cover in Nairobi by planting a variety of trees along the major transport networks along road reserves and traffic islands. This programme has seen over 800,000 trees planted in Nairobi within a 3 year period.
- Maintenance of water masses including within the parks & along rivers traversing the City where conservation programmes are on-going.

Efforts to regenerate Greenery



Replanting of reclaimed area in Karura forest

Source: Oningo and Barreh

Parks & Open Spaces

- Maintenance programmes for Uhuru Park, Central Park, City Park & Jeevanjee Gardens to ensure enriched biodiversity
- Variety of partnerships with stakeholders to ensure more green areas are established
- Auditing of all open spaces
- Integration of parks & other urban spaces in the Urban Master Plan



Energy infrastructure technology

- Flagship project on development of Dandora sewage plant to 1.6 megawatt energy production
- Capacity development programme to train and recruit qualified personnel to ensure continuity in the technology uptake
- Promotion programme for efficient energy use
- Research & investment in alternative energy sources, e.g. solar and wind energy
- Flagship project on the “Waste to Energy” initiative

Waste Management & Infrastructure

- Flagship project to decommission the Dandora disposal site & establish a treatment facility
- Development of material recovery facility at Dandora Disposal Site



Agriculture

- Training programme to increase the use of green technology especially in green house production
- Urban agriculture makes good use of underutilized urban resources and waste- there is a lot of vegetable farming on roof tops and gunny bags on very small spaces.

Conclusion

- There is still huge room for NCCG to adopt much more low carbon technologies since the existing practices have not impacted much.
- This can be achieved through partnerships in investments with more experienced development partners.



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Thank You

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