

The Low Carbon Development and climate resilient strategy of KCCA

Energy and Climate profile



Stakeholder's Dialogue October 14th 2015





Introduction

- Kampala Climate Change Action Strategy is aligned to National (Vision 2040, Climate change Policy) and International Development agendas (UNFCC, Sustainable Development Goals, COP21)
- The Energy and GhG balances of KCCA and Kampala assess the contribution of our activities as local government but also the contribution of the activities / stakeholders of our territory in the National Energy and GhG Balance
- It is a **first quantification** and monitoring exercice for KCCA and Kampala that will be improved year after year (own inventory system to compensate missing data).
- It will be fully integrated into the KCCA Strategic Plan as one of the core values of the City Vision defined by the Top Management of KCCA.
- It aims at bringing to the stakeholders a better knwoledge of the territory and a better understanding of KCCA activities, stakes and expectations

Perimeter of the Greenhouse gas (GHG) balance



KCCA Energy & GHG Balance

Measure the energy consumption/production and the GHG emissions generated by the buildings and facilities, the car fleet and the activities owned/performed by KCCA

Energy & GHG Balance of Kampala / GKMA

Measure <u>all</u> the energy consumption/production and the GHG emissions <u>generated</u> in Kampala & GKMA but also emission <u>induced</u> outside Kampala & GKMA.

Assets and activities GHG balance



GHG profile of KCCA (assets & activities)



Energy mix (assets & activities)



Energy consumption of KCCA (assets & activities)



Fleet of the Authority

92% of energy consumption



Travel surveys – scope 3

Travel surveys:	Survey duration	Number of answers		Km travelled	tCO ₂ e/year
Staff - home-to-work travels	3 months	119	1 190 employee	3 400 000	970
Students - home-to-school travels	1 month	46 156	69 125 students	912 500 000	5 215
Health Center visitors	2 months	19 954	68 670 visitors	441 100	95
City Hall and Division Office visitors	2,5 months	4 044	15 441 visitors	71 420	14







KCCA (*) represents 0,28% of the GhG emitted in Kampala

KCCA buldings and facilities represent a low share of the global emissions of the territory... but the decision taken by the Authority in the fields of Physical planning, Mobility, Waste management, Education, Economy... influenced significantly the emissions of the territory !

KCCA(*) represents 0,39% of the energy consumed in Kampala

(*) including fuel for transport, visitors, students and staff travels, excluding KCCA waste

Territory GHG balance



Kampala energy profile





Changing the BAU scenario : Kampala Climate Change IN Action



GKMA energy profile



(*) Biomasse : charcoal and firewood

Emission by Sector Kampala & GKMA

SECTOR	Emission Sources / ACTVITY DATA/METHODOLOGY	IMPORTANCE	
Energy Industry	Thermal power plants, HFO, charcoal, biomass/ shortfalls	Very important	
Industrial sector	Biomass, diesel generator, LPG, grid/growth rates	Significant	
Tertiary	Biomass, grid, kerosene/ contribution to GDP/growth rates	Significant	
Household	Biomass, grid, kerosene, LPG/per capita / energy intensity	Significant	
AFOLU	Animals, biomass coverage, soils, diesel	Significant	
Fishing	Gasoline/ average energy consumptions.	Not Significant	
Freight	Diesel, gasoline and aviation fuel/ton.km	Very important	
Transport	Diesel, gasoline and aviation fuel /veh.km	Very important	
Construction	cement production : buildings & road, infrastructure	Significant ?	
Food	Meat, cereal, milk	Not significant	
Waste	Solid waste and waste water, treatment method	Very important	

GHG profile of Kampala





Changing the BAU scenario : Kampala Climate Change IN Action



GHG profile of GKMA

