

# LOW EMISSION CAPACITY BUILDING PROJECT Annual Work Plan

1 January 2014- 30 June 2014

Country: KENYA

<b>UNDAF Outcome(s):</b>	Enhanced Environmental Management for Economic Growth with Equitable Access to Energy Services and Response to Climate Change
<b>Expected CP Outcome(s):</b>	CP 3.2.1-Policies and capacities for sustainable management of environment and natural resources improved CP 3.2.2-Access to efficient, sustainable energy services and conservation at all levels promoted CP 3.2.3-Integration of climate change dimensions in national development frameworks and programmes enhanced CP 3.2.4-Development and implementation of integrated frameworks for sustainable urbanization and human settlements supported
<b>Expected CP Output(s):</b>	i) Climate change mitigation initiatives that strengthen Kenya's human and institutional and systemic capacities and implementation of the UNFCCC and the Kyoto Protocol and CDM as well as related projects supported ii) Targeted projects that link mitigation to conservation and management of natural resources, cleaner production and energy services supported iii) Renewable energy generation projects developed iv) South-South technology transfer and pilot projects together with removal of barriers that hinder access to sustainable energy services supported Kenyan Ministry of Environment Water and Natural Resources (MEWNR) UNDP
<b>Implementing partner:</b>	
<b>Other Partners:</b>	

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*Wangari Maathai*  
Agreed by UNDP Country Director:

Date: 7 Jan 2014

Date: 17/12/2013  
Agreed by Ministry of Environment and Natural Resources Principal Secretary:

PRINCIPAL SECRETARY  
MINISTRY OF ENVIRONMENT,  
WATER AND NATURAL RESOURCES  
STATE DEPARTMENT OF ENVIRONMENT  
& NATURAL RESOURCES  
NAIROBI

for: *[Signature]*

Estimated annualized budget: (Upon confirmation from Atlas) USD = 253,600  
Allocated resources:  
• Government  
• Regional  
• Other:  
**NATIONAL PROJECT MANAGER**  
**LOW EMISSION CAPACITY BUILDING - KENYA**  
P.O. Box 30126 - 00100, NAIROBI

Programme Period: 1 January 2014 to 30 June 2014  
Programme Component:  
Intervention Title:  
Budget Code:  
Duration:

The Project also responds to capacity gaps in the national GHG inventory system as identified in Kenya's Initial National Communication (INC) to the UNFCCC, namely lack of comprehensive data storage and management systems on an annual basis as well as lack of local empirical emission factors, hence the application of IPCC default values in spite of their inconsistency with local conditions in some instances.

This Low Emission Capacity Building (LECB) Project will build capacities to develop a GHG national inventory system and nationally appropriate mitigation actions (NAMAs), with associated monitoring, reporting and verification (MRV) systems defined. In addition, the Project will financially support the National Climate Change Technology Action Plan (NCCTAP). It is aligned with the UN Development Assistance Framework (UNDAF) 2009-2013's focal sectors of energy, environment, education, science and technology; agricultural and rural development; land and housing; private sector (industry) development; roads and transportation; and urban, local government and decentralization. It responds to Kenya's key socio-economic development challenges pertaining to environment and climate change as captured in the UN's programming work in Kenya such as in the UNDP's Country Programme Document (CPD) 2009-2013 and the UNDP's Common Country Assessment (CCA) of 2001. Regarding the energy sector, which falls within millennium development goal (MDG) 7, i.e., environmental sustainability, the current CPD indicates only 16% of Kenyans have access to electricity, with a large majority depending on biomass for their energy needs. The biomass energy demand is growing at 2.7%, while sustainable supply is expanding at only 0.6%, creating a supply-demand imbalance that has led to, and continues to, cause widespread deforestation, de-vegetation and land degradation. The CCA 2001 also notes environmental degradation as a major threat to Kenya. These challenges further impede on the attainment of other MDGs, e.g. MDG 2 on universal primary education, with the 2011 Human Development Report (HDR) reporting that in some places in Kenya, environmental degradation has led to an increase in time spent on resource (e.g. firewood) collection, which now averages more than four hours a day, thereby impacting particularly on girl-child school attendance. The NAMAs activities planned in the energy sector under this Project can address some of these challenges, with benefits cascading to other areas of development.



**I. RESULTS AND RESOURCES FRAMEWORK (January 2014 – June 2014)**

**UNDAF Outcome:**Enhanced environment management for economic growth with equitable access to energy services and response to climate change.

**CPAP Outcomes:**

- Policies and capacities for sustainable management of environment and natural resources improved
- Access to efficient, sustainable energy services and conservation at all levels promoted
- Integration of climate change dimensions in national development frameworks and programmes enhanced
- Development and implementation of integrated frameworks for sustainable urbanization and human settlements supported

**Project title and ID (ATLAS Award ID):**00078485 "Low Emission Capacity Building Project"

Outputs, Baseline, Targeted Indicators	Indicative Activities	Q1	Q2	Q3	Q4	Responsible party	Indicative Inputs	Budget (USD)
<b>Component 1:</b>								
<b>1. Establishment of Robust National Systems for Preparation of GHG Emission Inventories have been Supported</b>  <b>Indicators:</b> <ul style="list-style-type: none"> <li>• Rules of procedure established and documented (e.g., for archiving and spreadsheet management/data sharing)</li> <li>• QA/QC strategy developed</li> <li>• Key institutional collaboration arrangements codified</li> <li>• Continuous data measurement and analysis system established</li> <li>• Inventory improvement strategy prepared</li> <li>• Methodologies and emission factors improvement methods documented</li> <li>• IPCC Good Practice Guidelines and guidance for reporting used</li> </ul>	1.1. GHG Inventory development process documentation and archiving	X				Consultant, LECB, NCCS and Sector Teams	Technical Assistance	
	1.2. Hold workshop on:					LECB, NCCS, UNDP and Sector Teams	Technical Assistance; Printing costs; Workshop Costs; Venue, Travel and Accommodation	10,000
	1.2.1. Finalizing on the reporting, Internal review (QC) and External Review (QA) and Archiving	X	X					
	1.3. Engagement of Inventory Team Leader (Consultancy)	X	X			NCCS, PMU, UNDP	Technical Guidance and Supervision of the National	90,500

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<p><b>Baseline:</b></p> <ul style="list-style-type: none"> <li>• None or partial rules of procedure documented</li> <li>• No systematic QA/QC in place</li> <li>• Institutional collaboration on ad hoc basis</li> <li>• Data collected on an ad hoc basis when NC is being compiled</li> <li>• No improvement strategy in place</li> <li>• No, few or inaccurate local emission factors available</li> <li>• Most recent IPCC guidelines not used</li> </ul> <p><b>Target:</b></p> <ul style="list-style-type: none"> <li>• Rules of procedure detailed as part of a GHG inventory manual (incl. timelines, budget, etc)</li> <li>• QA/QC strategy documented</li> <li>• MOUs for data acquisition and sharing prepared with key institutional partners</li> <li>• Data measurement and analysis is institutionalized on periodic basis</li> <li>• Improvement strategy prepared, along with decision on periodic updates</li> <li>• IPCC Good Practice Guidelines used for establishing inventory system</li> </ul>							Institutions involved in GHG Inventory Development	

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<b>Subtotal</b>								
								<b>100,500</b>

**Component 2:**

Up to 4 NAMAs with in-built MRV systems have been formulated within the context of national development priorities	2.1. Engagement of four (4) consultancies to lead the development process of NAMAs in the Energy, Transport, Livestock and Waste sectors	X	X			NCCS, PMU, UNDP	Development of the NAMA proposal in consultation with the thematic working groups and NCCS	65250
<p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>• NAMA scope and objectives established</li> <li>• Institutional arrangements and process planning created</li> <li>• Analytical tools for development of GHG emission scenarios chosen</li> <li>• Base year and timeframe for analysis determined</li> <li>• Reference (baseline) and mitigation emission scenarios developed</li> <li>• Financing needs determined</li> <li>• A clear and transparent system for monitoring, reporting and verifying data and emissions established in context of identified NAMAs</li> </ul>	<ul style="list-style-type: none"> <li>• Development of concept note</li> <li>• Analysis of barriers/risks; potential public intervention needs to incentivize public sector involvement in the NAMAS</li> <li>• Consultative meetings with the Thematic Working Groups (TWGs)</li> </ul>					NCCS, PMU,	Technical	10,000
	2.1.1. Hold a stakeholder							

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<ul style="list-style-type: none"> <li>• Performance indicators established</li> </ul> <p><b>Base line:</b></p> <ul style="list-style-type: none"> <li>• No NAMA scope and objectives in place</li> <li>• No clear institutional arrangements in place</li> <li>• Inadequate or no technical expertise in analytical tool</li> <li>• No base year and timeframe have been determined</li> <li>• No or inadequate technical expertise in scenario modeling</li> <li>• No or inadequate technical expertise in investment and financial flows (I&amp;FF) estimation</li> <li>• No M/RV system established</li> <li>• No performance indicators available</li> </ul> <p><b>Target:</b></p> <ul style="list-style-type: none"> <li>• NAMA scope with objectives incl. emission reduction targets established</li> <li>• Clear institutional arrangements incl. lead/coordinating agency established</li> <li>• Technical expertise in analytical tool usage, scenario modeling, I&amp;FF, etc developed</li> <li>• A clear and transparent system for</li> </ul>	<p>sensitization and consultative workshop (Cocep Note to be Presented)</p> <p>2.1.2. Detailing the NAMA proposal</p> <ul style="list-style-type: none"> <li>• Consultative meetings with the Thematic Working Groups (TWGs) and lead agencies</li> </ul> <p>2.1.3. Hold a stakeholder workshop to present the draft proposal</p>	X	X			<p>Consultants and UNDP</p> <p>Consultants NCCS, PMU, UNDP</p> <p>Consultants,</p>	<p>Assistance; Printing costs; Workshop Costs; Venue, Travel and Accommodation</p> <p>Technical Assistance; Printing costs; Workshop Costs; Venue, Travel and Accommodation</p>	<p>10,000</p> <p>7,500</p>

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<i>monitoring, reporting and verifying data and emissions defined, which shows assumptions made, sources of information and data, related uncertainties, etc</i>								
	2.2. Plotting of NAMA on Off-Grid Lighting Using LED Solar Lamps and Improved Cook Stoves in an ASAL community	X	X			NCCS, PMU, UNDP MEW/MR (NCCS) and UNDP	Field Travel and partial procurement costs	20,000
	2.2..1. Baseline survey							
	2.2..2. Community sensitization					NCCS, PMU and LECB		
	3. Project Management Including Monitoring and Evaluation							30350
	3.1. Salaries							
	3.2. Office logistical, International travel, transport and vehicle maintenance support							10000

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							<i>Sub total</i>	<i>153,100</i>
							<i>Total</i>	<i>253600</i>

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