

PROJECT IDEAS
SUPPORTED IN ENERGY
AND WASTE SECTOR
*CHALLENGES TO
REGISTER BEFORE END
OF 2012*

Presentation at 2nd National CDM Capacity
Building Workshop

Outline



- Project Objectives
- Project Development
- CDM projects
- Projects and Status
- Constraints
- Way Forward

Project Objectives

- To help Botswana fully participate in carbon market UNEP Risoe Center collaborated with the DNA on a 3 year project under African Caribbean Pacific countries.
- Project goal is capacity building project assisting participating countries to identify, design, implement and monitor CDM project.
- The Dept of Meteorological Services- DNA contracted EECG consultants to avail technical skills in developing and implementation projects and assisting project proponents

Project Development

Projects	Consultations
Identification/selection of two high-potential sectors for CDM project development	Hold meetings with local NGOs and communities representing people potentially affected by CDM projects
At least three PINs to be developed in each priority sector, i.e. 6 PINs in total	Explore financing options by facilitating meetings among financial sector, private investors and government representatives
Two PDDs to be selected and developed among the best PINs.	
Select a country representative to participate in Carbon Expo to present and promote portfolio of PINs and PDDs	

Project Development

Result	Activities	Period to be completed
Expected Result 4	Activity 4.1 Hold meetings with local NGOs and communities representing people potentially affected by CDM projects	Nov2011-Jun 2012
	Activity 4.2 Two PDDs to be selected and developed among the best PINs	Nov2011-Jan 2013
CDM project appraisal skills and capacity of local financial institutions has been built by the CDM Capacity Building Component	Activity 4.3 Explore financing options by facilitating meetings among financial sector, private investors and government representatives	Feb/Mar2011-Jan2013
	Activity 4.4 Advise DNA / Investment promotion authority on format and contents of their participation in Carbon	Feb2012-April 2012

Project Development

Result	Activities	Period to be completed
Expected Result 5 & 6	Activity 5.1 Identification/selection of two high-potential sectors for CDM project development	Feb/Mar 2011-Jan 2013
	Activity 5.2 National approval of project concepts	Feb/Mar 2011-Jan 2013
	Activity 5.3 At least three PINs to be developed in each priority sector, i.e.6 PINs in total	Feb/Mar 2011-April 2012
	Activity 6.1 Select a country representative to participate in Carbon Expo to present and promote portfolio of PINs and PDDs	May 2011 and May 2012

CDM Projects

□ Status

□ Projects Being considered include:-

- 1 Wind Farms
- 3 Biogas to Electricity projects in Lobatse, Mabesekwa and Mmamashia
- BPC Lesedi Stoves
- Energy Efficiency
 - Roof Painting
- Waste to Energy
 - Uncertain
- Biomass to Energy

PROJECTS AND STATUS

Name of organization	Area of project activities	Status
BPC Lesedi (Pty) Ltd	Solar home systems, solar water heaters and cook-stoves	Have completed and PIN for the Stoves component through a SADC initiative, which has stalled due to lack of finance to develop a PDD. Now adopted into Project PIN format 50000 tCO2 assuming 1500 stoves dissemination per year.
EAD	<ul style="list-style-type: none"> • Biogas project 	<ul style="list-style-type: none"> • Project has passed design stage done Feasibility. Initial PIN development was constrained by finance. Now working on project PIN. Done EIA on project • 617tCO2

PROJECTS AND STATUS

Name of organization	Area of project activities	Status
Bio sys	<ul style="list-style-type: none"> • Bio methane at BMC 	<ul style="list-style-type: none"> • Made progress on PIN Drafting. EIA required • Upto 30000tCO2 dependent on slaughter rate
Agna Ventures	<ul style="list-style-type: none"> • Energy efficiency in buildings 	<ul style="list-style-type: none"> • Have done some average baseline data still accessing future potential.
Bostrich	<ul style="list-style-type: none"> • Power generation using biogas 	<ul style="list-style-type: none"> • Has drafted PIN and refining it. Working on Feasibility study. Waiting for EIA. • 15700tCO2
Wind Botswana	<ul style="list-style-type: none"> • Wind Power 	<ul style="list-style-type: none"> • Working on PIN. • 175200 tCO2

PROJECTS AND STATUS

Name of organization	Area of project activities	Status
Zillion Investments	<ul style="list-style-type: none"> Landfill electricity generation through pyrolysis/Gasification 	<ul style="list-style-type: none"> Still assessing resource potential. Working on PIN.
Department of Forestry and Rangeland Resources	<ul style="list-style-type: none"> Electricity from Biomass 	<ul style="list-style-type: none"> Drafted PIN. Looking for finance for the project feasibility study.
Skip Hire	<ul style="list-style-type: none"> Landfill gas capturing for gas flaring or electricity generation 	<ul style="list-style-type: none"> Constrained by ownership of the Landfill. Project now uncertain.

PROJECTS AND STATUS

Name of organization	Area of project activities	Status
Kalahari Energy	<ul style="list-style-type: none">• 50MW PV in Mashoro• 90MW Diesel generator to CBM• 180MW electricity generator upgradeable to 1000MW in Mashoro• Manufacture of small scale gasifiers for production of electricity from grass, dug, carbonetious, combustible organic matter• Fuel substitution.	<ul style="list-style-type: none">• Full design done, working on acquiring land, PPA with BPC and working on tariff structure• Plant constructed currently running on diesel. Raising finance for pipe line and production well.• Setting up gasifier factory and acquired gasifier to start manufacture of gasifiers in Botswana• Project proponent unreachabele and has not responded to PIN sent

General Constraints

- Fluid project ideas at start
- Need baseline data
- Clear ownership of land, resources or agreements to use.
- Examining issues of suppressed demand e.g. For EE projects now guidelines from CDM EB

Way Forward

- Now consulting with EEP project applicants
- From workshop refine CER calculations, financial calculations and redrafting the PINS.
- There is need to make projects PoAs to beat 2012 project deadline. But projects amenable to PoA.
- Select two most promising project for PDD development.



Thank You