



Presentation

Vanuatu

1. Potential Sectors for CDM in Vanuatu

Energy Sector:

- Energy efficiency-households, energy efficiency-industry, energy efficiency-service **reduction in CO₂**

Transportation Sector:

- Bio-fuel initiatives (coconut diesel and palm oil diesel) **reduction in CO₂**

Environment Sector:

- Waste management (landfill) **reduction in CH₄**



1.1 GHG Inventory

No information – In the National communication

1.2 Economic growth and sectoral development plans

Energy Sector:

Economic Growth

Large increase (since 2000) in electricity demand.

Sectoral development plans

- To increase renewable energy coverage (70%)

Initiatives undertake so far in the sector

Energy Sector

- **Geothermal** - Visibility studies undertaken, currently awaiting prospecting.
- **Wind turbines** (established in 1 location). Other potential sites identified for monitoring.
- **Solar lighting** – an increase in consumption by households and public institutions since 1990. Promoting the use of solar grids to the utilities framework



Economic Growth and Sectoral Development Plan

Transport Sector:

Economic Growth

An increase in growth (100%)

Sectoral development plans

Promoting of bio-fuel in the transport industry.

Economic Growth and Sectoral Development Plan

Environmental Sector

Waste management

Economic growth

Increase in population growth (tourism industry 50%, Population growth (250,000- a 2.8% growth rate).

Sectoral development plans

Promote use of semi-aerobic landfills (by 2016)



Economic Growth and Sectoral Development Plan

Industrial sector:

Economic growth

Has grown by more than 5%

Sectoral development plans

Promotion of energy efficient practices

1.3 Mitigation Assessment

Energy Sector

1. Geothermal assessment
 - a. Energy Audit
 - I. Questionnaire
 - II. Field assessment and analysis
 - b. Energy assessment
2. Wind Power assessment
3. Solar assessment

Mitigation Assessment

Transportation Sector

Assessment and analysis (diesel usage over period of time)

Waste management sector

Assessment and analysis (amount of CH₄ vented)

1.4 Technology needs assessments

Energy

Equipment and capacity building for hydro

Transportation

Equipment and capacity building for

- a. retrofitting engines for bio-fuel
- b. usage of air quality monitoring equipment
- c. Processing plant equipment for blending diesel and coconut and/or palm oil

Technology Needs Assessment

Waste

Equipment for project activity, e.g. flaring technology

Capacity building for new technology

Potential Ideas for a CDM Projects

Most promising will be in the Energy Sector

Project types:

- small scale Hydro power off-grid
- Bundling of existing hydro power projects in country