



Renewable Energy & Climate Science for the Americas

CARIMET

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Presentation Outline

- CARICOM Energy Policy
- Renewable Energy
- Regulatory Situation
- Current Infrastructure
- Challenges
- The Way Forward

CARICOM Energy Policy

- CARICOM Energy Policy was approved by the Forty-First Special Meeting of the COTED on ENERGY held 1 March 2013, in Trinidad and Tobago

COTED - Council for Trade and Economic Development

The goal of the CARICOM Energy Policy

The goal of the CARICOM Energy Policy is:

- Provision of sustainable and secure supplies of energy, accessible to all CARICOM citizens;
- Fundamental transformation of the energy sectors of the Member States of the Community so that they can contribute to the sustainable development of the Community;
- Optimization of domestic production of energy in an environmentally sound manner;
- Facilitating the growth of internationally competitive regional industries.

Objectives

In fulfillment of the Goal /Vision of the CARICOM Energy Policy and to assure access to affordable, adequate, safe and clean energy products necessary for the development of Member States, the Community will develop a programme of regional actions in a coherent and comprehensive way in pursuit of the following objectives:

- sustainable and secure energy supplies through diversification of energy sources;
- **accelerated deployment of renewable and clean sources of energy supplies towards increased energy supply diversification and affordability;**
- sustained growth of intra-Community trade in energy;
- **increased energy efficiency and conservation in all sectors, including the transportation;**
- increased investment in production, transformation and distribution of viable energy resources;
- **strengthening and enhancement of the human and institutional capacities in the Community energy sector;**
- programmed expansion of electricity generation, transmission, distribution and trade;

Objectives

- improved access to affordable energy by the poor and vulnerable;
- **greater use of renewable energy for electricity generation as well as in the transportation, industrial and agricultural sectors;**
- coordinated approach to exploring and establishing an institutional framework for leveraging financing mechanisms for the development of viable energy resources;
- **increased technology transfer and information sharing;**
- **established regional and national targets for emissions reduction with corresponding mitigation actions;**
- strategies for maintenance of adequate energy reserves in the event of disasters;
- **Strengthened research, development and innovation efforts in energy sector especially in areas of clean and renewable energy sources and technologies.**

Renewable Energy

Accelerated deployment of renewable and clean sources of energy supplies towards increased energy supply diversification and affordability;

Strengthened research, development and innovation efforts in energy sector especially in areas of clean and renewable energy sources and technologies.

Areas of focus for the region:

- Solar
- Wind
- Geo-thermal
- Hydro power

Regulatory Situation

- Policy exist at the regional level
- Policies exist in member states
 - Several initiatives/projects in renewable energy, energy efficiency & climate change being executed
 - Energy legislation/regulations varies
 - Formation of the Caribbean Energy Regulatory Authority is being discussed
 - Encourage competition in the energy sector
 - Encourage the use of renewable energy

Current Infrastructure

- Climate measurements are performed by the National Meteorology Centres
- Most NMIs do not have the capabilities to calibrate the instruments used by Meteorology Centres
 - Lack of equipment and trained personnel
- Member states presently do not have capabilities to perform greenhouse gas and airborne particulate measurements

Current Infrastructure

- Capabilities exist and are being developed in in some member states for energy efficiency testing (refrigerators and air-conditioning units)
- Trained personnel available to conduct energy audits of buildings

Challenges

- Lack of partnerships/cooperation between institutions
- Lack of financial resources
- Lack of equipment and trained personnel

The Way Forward

- Co-operation between the NMI and the responsible agencies
 - Awareness
 - Clearly defined roles and responsibilities
- Development of Infrastructure
 - Development of regulations
 - Equipment
- Development of human resource capacity
 - Training

The Way Forward

- Identifying the metrology needs for renewable energy & climate science
 - Data for development of metrology services
- Collaboration & co-operation with international organizations & within the SIM community
 - Technical assistance from organizations / NMI(s) who have capabilities in climatic measurements
 - Training attachments

The Way Forward

- Resource sharing and Networking
 - Caribbean Reference laboratory (CaRL) being developed for temperature

A tropical beach scene with palm trees and a cloudy sky. The text "Thank You" is centered in the middle of the image.

Thank You