
Training Report #2- Report on Training Programme Conducted November 2013 in Jamaica

**“Innovative Fiscal and Regulatory Incentives for Energy Efficiency and
Renewable Energy Initiatives”**

December 3, 2013



Background and Introduction

Sustainable Energy in the Caribbean: Reducing the Carbon Footprint in the Caribbean through the Promotion of Energy Efficiency and the use of Renewable Energy Technologies

This project, ‘Sustainable Energy in the Caribbean’, implemented by the United Nations Economic Commission for Latin America and the Caribbean (UN-ECLAC) will support the following:

- Technical assistance to three countries of the Caribbean in the evaluation of existing fiscal systems and regulations as they relate to energy efficiency and renewable energy technologies so as to identify gaps and barriers to implement these technologies and to provide options for their removal
- Development of national documents on strengthening fiscal and regulatory systems for at six countries – Guyana, Curacao, Belize, Grenada, Saint Lucia and Antigua & Barbuda
- Provision of technical assistance in proposing innovative fiscal and regulatory incentives to promote energy efficiency and renewable energy initiatives in three countries
- Development of a training manual on innovative fiscal and regulatory incentives for energy efficiency and renewable energy initiatives
- Implementation of capacity building workshops on best practices to improve the fiscal and management environment with a view to support the employment of EE and RE initiatives
- Development of three national (Aruba, The Bahamas and Suriname) energy policies that incorporate strategies for energy efficiency and the employment of renewable energy technologies. These may be used as examples for other Caribbean countries

Development of Training Programme

In the development of the training programme ‘Innovative Fiscal and Regulatory Incentives for Energy Efficiency and Renewable Energy Initiatives’, a Team from UN-ECLAC visited both Guyana and Grenada for 1-day meetings during August and September 2013 to:

- Meet with key stakeholders in the public sector, private sector and civil society organizations to discuss the development the training programme and specifically the course content and curriculum, learning objectives of the course and proposed participants
- Agree on key areas of emphasis for the training manual based on the agreed curriculum
- Agree on timelines as well as location for the delivery of the training programme

About the Course

“Innovative Fiscal and Regulatory Incentives for Energy Efficiency and Renewable Energy Initiatives”

The course **“Innovative Fiscal and Regulatory Incentives for Energy Efficiency and Renewable Energy Initiatives”** was designed as a 3-day, 5 module course covering a range of topics towards:

- enabling participants to understand the importance of energy efficiency and conservation to national development
- equipping participants to be able to develop relevant strategies that could help countries advance their renewable energy agendas
- enabling participants to understand the core elements required to develop energy efficiency and renewable energy policies

This report provides details of the training that was delivered to participants in Jamaica, November 26 to 28, 2013.

This report on the training held in Jamaica is structured as follows:

- Background and Introduction
- The Learning Product
- Course Delivery
- Participants
- Course Evaluation

Learning Product

“Innovative Fiscal and Regulatory Incentives and Energy Efficiency and Renewable Energy Initiatives in the Caribbean”

Course Description:

This course was designed for the officers within government departments who have responsibility for guiding the country’s energy policy and energy management framework. Other stakeholders that the course targets include private sector representatives who have interest in providing energy efficiency equipment and renewable energy solutions to the market towards advancing improvements in both energy efficiency and meeting renewable energy targets.

The course provides insight into all aspects of energy management with specific emphasis on energy efficiency and renewable energy. Emphasis has been placed on highlighting issues and challenges that countries face in pursuing energy efficiency and renewable energy strategies. International and regional best practices were highlighted as a means of showcasing how various countries have overcome the barriers to advancing renewable energy targets and increasing energy efficiencies towards meeting national energy goals.

The curriculum is divided into five modules and is designed to be covered over a 3-day period. The course also was designed to ensure practical application of the learning and to enable the Caribbean to demonstrate leadership in energy efficiency practices and the adoption of renewable energy strategies, serving as a model for other small island developing states.

Target Group:

The course is a regional course for the Caribbean. The target group for the training is:

- Officers of Government ministries, departments and agencies (MDAs) and local authorities who are responsible for energy management and who have direct responsibilities for countries’ national energy policy, energy efficiency strategies as well as for advancing the introduction and use of renewable energy into their countries’ energy mix
- Key private sector entities who have a stake in energy efficiency or renewable energy and who are suppliers of these technologies or who have a role to play in the design, construction and maintenance of these technologies
- Non-governmental organizations who may focus on energy management projects and who play a role in educating communities or key sections of society on the importance of energy conservation and efficiency and renewable energy

Learning Objectives:

Upon completion of this course, participants will be able to:

Knowledge:

- Understand the importance of energy efficiency and conservation to national development
- Understand the importance of renewable energy technologies to advancing national development agendas
- Understand the core elements required to develop energy efficiency and renewable energy policies

Performance:

- Develop relevant strategies that could help countries advance their energy efficiency and renewable energy agendas
- Know how to develop national energy efficiency and renewable energy policies
- Be able to develop relevant and dynamic national strategies to overcome the barriers and challenges associated with energy efficiency and renewable energy

Attitude:

- Appreciate the importance of pursuing energy efficiency and renewable energy options to support national development

Course Modules

- Module 1: Rationale for Advancing Energy Efficiency and Renewable Energy Policies
- Module 2: Issues and Challenges Facing the Region in the Effective Introduction of Energy Efficiency and Renewable Energy Technologies
- Module 3: Removing the Barriers to Advance the Introduction of Energy Efficiency and Renewable Energy Strategies and Technologies
- Module 4: Developing Energy Efficiency and Renewable Energy Policies and Action Plans – Advancing the EE and RE Agenda of Countries
- Module 5: Train the Trainer

Curriculum

The curriculum for the course is presented below:

Module 1: Rationale for Advancing Energy Efficiency and Renewable Energy Policies

- Energy Basics
- Overview of the energy sector in the Caribbean
- Overview of the CARICOM Energy Policy and some select country national policies (with emphasis on energy efficiency and renewable energy)
- Global trends in energy efficiency
- Global trends in renewable energy – including new and emerging technologies
- Drivers for increasing energy efficiency (economic, social and environmental)
- Drivers for advancing renewable energy (economic, social and environmental)
- Benefits of promoting energy efficiency
- Benefits of establishing renewable energy sectors within countries
- Measuring Energy Usage
- Conducting an Energy Audit

Module 2: Issues and Challenges Facing the Region in the Effective Introduction of Energy Efficiency and Renewable Energy Technologies

- Renewable Energy Use in the Caribbean
- Overview of fiscal and regulatory barriers to implementing energy efficiency measures and renewable energy technologies
- Requirements for Deploying RE Technologies in the Region
- Guidelines towards improving energy conservation and efficiency
- Presentation by countries based on country studies – Belize, Curaçao, Jamaica, Guyana
- Case Studies

Module 3 – Removing the Barriers to Advance the Introduction of Energy Efficiency and Renewable Energy Strategies and Technologies

- Removing the Barriers – Towards Advancing the Renewable Energy Sector – Policies and Strategies to Promote Renewable Energy Development and Deployment
- Power Sector Restructuring Policies that can Influence Renewable Energy Development
- Distributed Generation Policies that can Influence Renewable Energy Development

Module 4: Developing Energy Efficiency and Renewable Energy Policies and Action Plans – Advancing the EE and RE Agenda of Countries

- Key elements of national renewable energy policies
- Key elements of national energy efficiency policies
- Renewable energy indicators and targets
- Energy efficiency indicators and targets

- Developing individual country policies
- Developing individual country action plans

Module 5: Train the Trainer

- Tips to Implement the Course as a Train-the-Trainer Model
- Facilitation Skills
- Training Methods and Materials

Course Delivery

The course was delivered over the period November 26 to 28, 2013.

Total number of who successfully completed the training was 11.

Delivery Methodologies

All participants were provided with a Training Manual. A variety of learning delivery and assessment methodologies were employed, in an attempt to enable the course to be participatory and interactive and to allow participants to effectively assimilate the new ideas and learning. Importantly, emphasis was placed on adult learning methodologies and over the duration of the course there were a combination of:

- Lectures
- Analysis of Case studies and class discussions of illustrative case studies
- Group Discussions
- Individual and group work/assignments
- Oral and written presentations
- Individual readings outside of the classroom (in preparation for upcoming modules)

Assessment Methodologies

Participants were required to undertake pre - and post-tests (note that the questions of the pre and post test were the same and this method is usually used to assess how much the participant knew before the training and how the training built their capacity).

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index?reportId=5_1032

