



Prime Minister Douglas: "Green Energy is the Destination" For the Caribbean

Some Highlights of the Keynote Address at the Third Caribbean Sustainable Energy Forum, St. Kitts and Nevis, 13-14 September 2012.

The Rt. Hon. Dr. Denzil L. Douglas, Prime Minister of St. Kitts and Nevis delivered the Keynote Address at to approximately two hundred persons at the Opening Ceremony of the Third Caribbean Sustainable Energy Forum (CSEF III) held at the St. Kitts Marriott Resort in Basseterre, St. Kitts and Nevis on 13 September 2012. In addressing the audience which included Ministers of Government, diplomats, regional and international energy experts, energy officials of CARICOM countries, students and the general public, Dr. Douglas touched a wide range of issues related to sustainable energy development in the Caribbean, and in particular St. Kitts and Nevis, which illustrates the Governments' commitment to advancing renewable energy development.

He noted that in twenty-first century, "every nation realizes the urgency of finding ways to expand its options, secure its access and reduce its dependency where energy is concerned. St. Kitts and Nevis certainly understands this and so do our neighbours throughout the region". He highlighted the high cost of energy in St. Kitts and Nevis and further noted that that Member State must, as a result, find ways to generate energy, in a cost-effective

and reliable manner.

After highlighting the relevant RE resources of solar, wind and geothermal energy available to St. Kitts and Nevis and outlining steps taken by that Member State to implement RE projects, such as the Wind Farm which was completed and another under development, the utilization of solar energy for lighting in various public facilities, as well as projection for delivery of geothermal energy within two years. He further disclosed that by January next year, St. Kitts and Nevis will have the capacity to assemble solar panels which will be made available for export to the rest of the region.

On the matter of geothermal development, Prime Minister Douglas urged that "the special challenges of capacity, financing and intergovernmental cooperation be kept at the forefront of your deliberations, and that proactive and innovative approaches are put



*The Rt. Hon. Dr. Denzil Douglas,
Prime Minister of St. Kitts and Nevis*

forward so as to ensure that the benefits of these developments do indeed redound to our region – and in the shortest possible time".

He said Caribbean Governments, now more than ever, understand that green energy is the destination – and that there is no turning back. He however cautioned that given that RE technologies are still not cheap, despite declining prices, and that there remains a pressing need for capital. Also, given that the technologies are new to the Region, there is need for due diligence and care to avoid costly mistakes. The full text of the speech can be accessed at csef3 website:

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Mr. Joseph Williams,
Programme Manager, Energy,
CARICOM Secretariat

CSEF III Thank You:

Thanks to all for contributing to the successful staging of the Third Caribbean Sustainable Energy Forum (CSEF III) in St. Kitts and Nevis on 13-14 September 2012. Special thanks to the Government of St. Kitts and Nevis, especially the Ministry of Housing, Public Works, Energy and Public Utilities, for hosting the event and being actively involved in the organization and execution at the local level and to the CARICOM Secretariat's team for their dedicated effort. Special thanks to our sponsors, the Government of Finland, The Government of Germany, The European Union and The Government of the United Kingdom. Finally, and very importantly, much thanks to all presenters and participants.

A photo highlight of the CSEF III is on page 14. A full outcome document, electronic copy of presentations, and a photo gallery

are available online at the website www.csef3.org. The relevant recommendations will be presented and considered for action at a Special Meeting of the Council for Trade and Economic

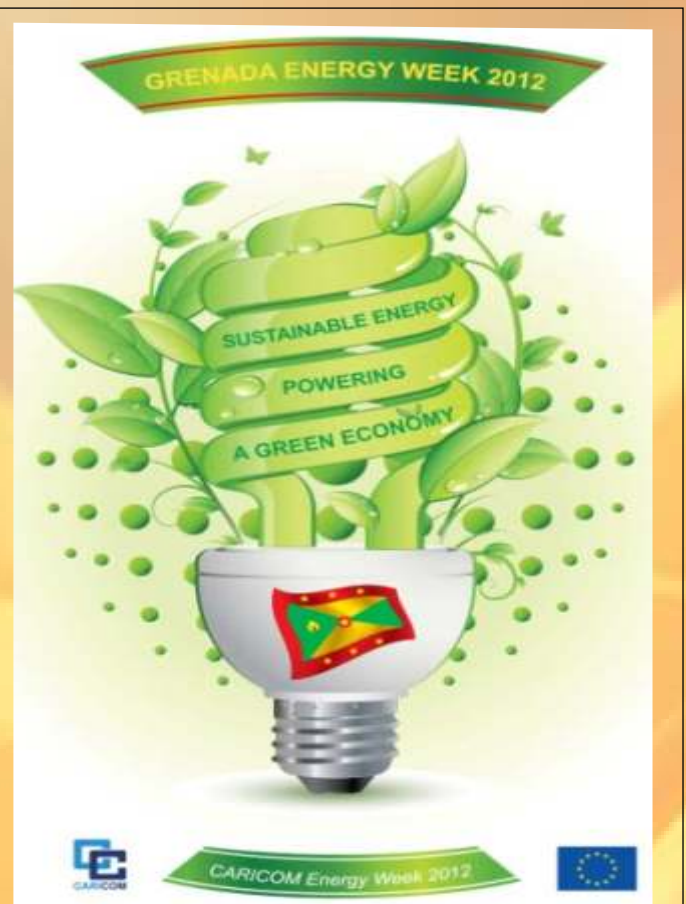
Development (COTED) on Energy. Also, timely updates on the progress of the implementation of relevant recommendations will be provided.

CARICOM Energy Week 2012, 11-17 November 2012

CARICOM Energy Week (CEW) 2012 is upon us and many Member States are at advanced stages of preparation for the week's activities. The theme for this year, agreed by

and general citizenry. See page 5 for a sample of the planned CEW 2012 activities of selected Member States.

Member States, is “Sustainable Energy Powering a Green Economy”. The theme reflects the new green economy paradigm and seeks to highlight the importance of renewable energy and energy efficiency in the development of a green economy, and to support green growth. All are invited to get on-board under the theme and objectives which provide a very good opportunity for engagement not only for the energy sector, but for all actors in the wider economy



“Sample Version CEW logo

MINISTER WITH RESPONSIBILITY FOR ENERGY – Part 8: INTERVIEW WITH THE HONOURABLE JOY GRANT

Minister of Energy, Science and Technology, and Public Utilities, Belize



Hon. Joy Grant:

Minister of Energy, Science, Technology and Public Utilities, BELIZE

Energy :What is the Government's vision for-energy in Belize?

Minister: In January 2012, the Government of Belize (GOB) in recognition of the twin challenges of **Energy Security** and **Climate Change**, endorsed a draft National Energy Policy (NEP). In March 2012, the Prime Minister established a new Ministry of Energy, Science and Technology, and Public Utilities (MESTPU) to champion and set the strategic direction on energy issues in Belize. In October 2012, the new Ministry launched its strategic plan aimed at operationalizing the NEP via the implementation of Belize's National Sustainable Energy Strategy 2012-2033. Both the NEP and the Sustainable Energy Strategy are intended to put **Sustainable Energy** front and center on Belize's development agenda. The key goals are to: progressively upgrade Belize's competitiveness in energy to evolve into a net exporter of modern energy carriers; speed the wide adoption of energy efficiency, and conservation technologies and practices; enhance

Belize's energy security by developing domestic renewable energy potential, plan for reliability and resiliency in energy production, storage and delivery; and to ensure energy policies complement overarching national policies.

Energy : What would you say is the single most significant challenge facing the energy sector in Belize?

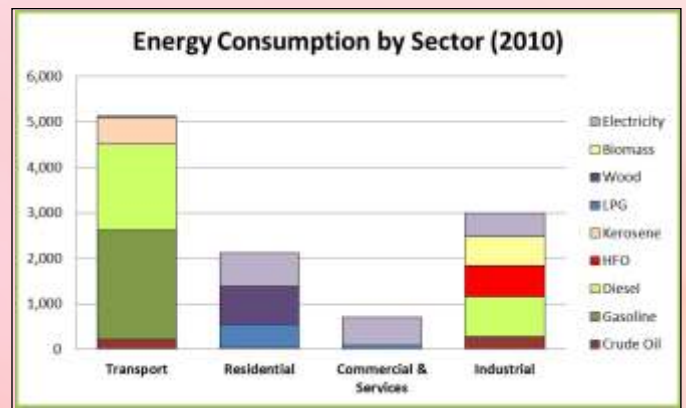
Minister: The Total Primary Energy Supply (TPE) in 2010 consisted of 65.6% fossil fuels, 4.4% imports of electricity from Mexico and 30.1% was exploited from renewable sources (biomass (16.3%), wood (6.4%) and hydro (7.4%). The transport sector is the single largest driver resulting in our dependency on fossil fuels. Yet, this sector is also the most difficult sector to mainstream low-carbon solutions. This is our most significant challenge. The existing rolling stock of cars, trucks and work equipment is overwhelmingly made up of second-hand stocks imported from the United States. Going forward, Belize will need to leap-frog to use high-efficiency transport and to alternative-fueled transport such as flex-fuel vehicles and electric cars within a very compressed timeframe of 15-20 years if we are to achieve our goals under the NEP.

Energy : Belize has undergone some significant changes in the electricity sector in recent times. What are some of these and what are the key issues?

Minister: In June 2011, the GOB expropriated the majority interest that Fortis Inc. of Canada held in the monopoly electric utility company

Belize Electricity Ltd. (BEL). In spite of this government acquisition, the sector still has several private players because the generation sub-sector remains largely in private hands. The Belize Electric Company Ltd. (BECOL), a subsidiary of Fortis Inc., owns three hydroelectric facilities on the Macal River and remains the largest generation entity in the country.

The challenge is to pivot Belize from being an electricity importing country to one that can exploit our renewable resources to meet domestic demand



and competitively produce electricity for export to our Central American neighbours. This will require opening market access and building related transmission infrastructure to neighbouring countries, enacting new regulations and bylaws that would create the business environment for the generation sub-sector to be more open and rules-based, and making public investments that support the uptake of relevant conversion technologies using biomass, hydro, wind, and solar for electricity.

Energy : In your view, how important is the Regional approach to energy sector development?

Minister: A Regional approach to energy sector development is central to Belize's success in implementing its development agenda.

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CARICOM ENERGY WEEK, 11-17 November 2012



CARICOM Member States are at an advanced stage of planning for CARICOM Energy Week 2012 to be celebrated under the theme: *“Sustainable Energy Powering a Green Economy”*. Based on the outcome of recent virtual meetings of Focal Points, some activities being planned by some Member States are shown in table below. The CARICOM Secretariat is providing support under the EU-Funded Caribbean Renewable Energy Capacity Support (CRECS) Project for promotion of the event in the electronic and print media in Member States, various sustainable energy competitions, airing of televised panel discussions, as well as for the production of other materials such as video documentaries for airing in Member States.

Ms. Ingrid Sarabo was recently assigned to the Energy Unit at the CARICOM Secretariat, in the capacity of Project Officer. She has been tasked with coordinating support for Energy Week. Inter alia, Ms. Sarabo is also responsible for providing general coordination support for sustainable energy awareness activities under the Energy Programme.

CEW is being celebrated in the main as a series of national energy weeks being held concurrently under a generally common theme. Ms. Sarabo may be contacted via email at isarabo@caricom.org or energy@caricom.org.



Ms. Ingrid Sarabo
Project Officer, Energy Programme,

Member State	Samples of Proposed Activities for CEW
Antigua and Barbuda	National address from the Hon. Baldwin Spencer, Prime Minister, Antigua and Barbuda; Live Panel Discussion (APUA) – Interconnection Policy; Displays – KidWind Technology, Solar PV System; Field Trips- Local Oil Ltd, Themba Biofuels Ltd; Documentary – Interconnection Policy, Biofuels; Radio Quiz; Daily Energy Tips in the print media
Belize	Media Tour of Business Sector; Exhibition of EE/RE Products; Annual EE/RE Science Fair; Expert Panel Discussion –Open to the Public
Dominica	Address by Minister with responsibility for Energy; Community Meetings: Laudat, Wotten Waven, and Trafalgar on status of geothermal project; Energy Symposium; Television/Radio Talk Shows
Grenada	Address by Minister of Energy; National Rally; Energy Symposium; Kill-A-Watt Day Exhibition
Guyana	Energy Forum; Essay Competition; Radio Quiz; Sustainable Energy Documentary; Energy Saving Tips (Daily Newspapers)
St. Lucia	Address by Minister with responsibility for Energy; Art and Jingle Competition; Symposium; Schools' Science Fair; Production of Video Testimonials; Private Sector Exhibition
St. Vincent and the Grenadines	Newspaper Centre Spreads; Banners; Radio and Television Advertisements; Poster Competition; Energy Workshop; Radio Quiz
Trinidad and Tobago	Address by Minister of Energy and Energy Affairs; Art Competition: My Energy: My Responsibility; Countrywide EE Displays

SUSTAINABLE ENERGY NEWS

Dominican Republic received CARICOM Renewable Energy Business Mission



The Caribbean Community (CARICOM) Secretariat conducted a Mission of CARICOM practitioners and renewable energy business persons to the Dominican Republic (DR) on 27-28 August 2012, to

have a first hand view of the experiences of the Dominican Republic in the development of renewable energy (RE) projects, as well as to share regional experiences in the area of RE with the DR in the context of South-

The Mission received presentations from various representatives involved in the development of RE projects, including a large wind farm project as well as small hydro-electric projects for rural



South Cooperation among those countries. The Mission was supported under the Caribbean Renewable Energy capacity Support (CRECS) Project and was headed by Dr. Robert Stoddard, Specialist, CARICOM Secretariat and included representatives from Antigua and Barbuda, Barbados, Saint Lucia, Guyana and Jamaica.

communities. Presentations were also received from representatives and distributors of RE equipment and from banks engaged in the financing of RE projects. Site-visits were made to an 82 solar panel demonstration on the roof of the National Energy Commission and a leading University engaged in RE education in Santo Domingo.

In general, the Mission was deemed a success from the standpoint of the exchange of information, and the contacts and networks established.

EU CARINET PROJECT UPDATE:



Mr. Rawl Prescott
Project Assistant, EUCARINET Project

Mr. Rawl Prescott has joined the CARICOM Secretariat in the capacity of Project Assistant for the EUCARINET Project. He is responsible for supporting the coordination of the Project activities and the CARICOM Secretariat's role as an important Partner in the Project. Mr. Prescott will also provide support for renewable energy network of individuals and institutions in CARICOM involved in RE and capacity building to support renewable energy.

Sustainable Energy is one of the themes of EUCARINET through which the CARICOM energy Programme seeks to establish and strengthen network of researchers and research institutions involved with renewable energy in the Region as well as linkage with European Researchers

Experts' Dialogue Workshop - Brussels

CARICOM Expert to Attend Expert Dialogue Workshop in Brussels, 17-18 Oct. 2012

Dr. Judith Gobin, Lecturer in Marine Biology at the University of the West Indies St. Augustine's Campus, will represent the Caribbean region at an Experts' Dialogue Workshop under the theme: **“Towards a Caribbean and a Central American Knowledge Based Bio-Economy: Visions, Pathways and Priorities”** in Brussels, Belgium on the 17 - 18 October 2012. The workshop is being hosted by the Agency for the Promotion of European Research (APRE) which is a key Partner in the EUCARINET Project along

with the CARICOM Secretariat and other.

Dr. Gobin has a wealth of *experience and qualifications* as a Marine and Environmental Scientist. With more than fifteen (15) years expertise as an Environmental Scientist and more than a decade of teaching experience in a wide array of environmental areas. She will make input towards meeting the set objectives of the Dialogue, which include: (i) **validating the findings of a report “Foresight for Caribbean Bio-economy related research in the context of the EU-LAC Joint Initiative on Research and Innovation”, and**



Dr. Judith Gobin

ii) **constructing a roadmap, identifying the interventions points** needed to move forward and proceed towards the establishment of a bio-economy for each pathway. The event will be funded by the European Commission.

Workshop For Developing Sustainable Energy Awareness Strategy

A Sustainable Energy Awareness Training Workshop under the EU-funded Caribbean Renewable Energy Capacity Support (CRECS) Project in collaboration with the Organisation of American States' Caribbean Sustainable Energy Program (CSEP) was held at the St. Kitts Marriot

Resort in St. Kitts and Nevis on 10-12 September 2012 as a CSEF III pre-forum event. The Workshop was conducted by Dr. Alexandra Blason and Egis Eau. The key objectives of the Workshop were to train representatives from the selected Member States (targeted under the



CRECS Project) in the use of the Model Energy Awareness Programme and Strategy as a practical tool for developing an Energy Awareness Programme for their territory. Fifteen participants attended the workshop.

The Model Energy Awareness Programme and guidelines were developed under an earlier Consultancy of the CRECS Project. The Workshop agreed that it would be beneficial for the Model Energy Awareness Programme and Strategy developed under the CRECS Project to be produced and distributed to the energy sector. During the period 12-14 September 2012, the OAS Secretariat also held a Workshop to train teachers in the use of various tools developed under the CSEF that can be utilized in the incorporation of a sustainable energy awareness programme in the school curricula.



Section of participants at the Sustainable Energy Awareness Workshop

Steering Committee Meeting of the Eastern Caribbean Energy Labeling Project (ECEL P)



The Eastern Caribbean Energy Labeling Project (ECEL P), which is being executed by the Organisation of Eastern Caribbean States (OECS) Secretariat in conjunction with Caribbean Renewable Energy Development Programme (CREDP/GIZ), held a Project Steering Committee Meeting on 12 September 2012 at the St. Kitts Marriot Resort in St. Kitts and Nevis to share on the status and activities of the project, and to discuss and take actions on a range of topics. The CARICOM Secretariat was represented at this Meeting by Mr. Joseph Williams, Programme Manager, Energy. CREDP/GIZ was represented by Mr. Thomas Schetzlich, Principal Advisor, CREDP/GIZ and Ms. Johanna Carstens, Technical Advisor, CREDP/GIZ; and OECS Secretariat by Mr. Peter Murray, Programme Officer III, Environment and Sustainable Development Unit. The ECEL P which seeks to promote the introduction of EE labels and standards for electrical household appliances and lighting equipment is considered an important Sustainable Energy Project in CARICOM given its scope for improvement in efficiency through the implementation of a Standards and Labeling Programmes in all territories. The outcomes of this first regional level initiative in this area are considered to be useful in establishing a more expanded and broad-based programme in CARICOM.

CARILEC RE Forum

The Caribbean Electric Utility Service Cooperation (CARILEC) hosted the CARILEC Renewable Energy Forum 2012 in Bermuda on 17-18 September 2012 under the theme 'Energy Security: Real or Imaginary?' The CARICOM Secretariat was represented at the Forum by Dr. Robert Stoddard, Specialist, CRECS Project in the Energy Unit. For further information on the CARILEC RE Forum visit the Carilec's Webpage www.carilec.org

MINISTER WITH RESPONSIBILITY FOR ENERGY – Part 8:

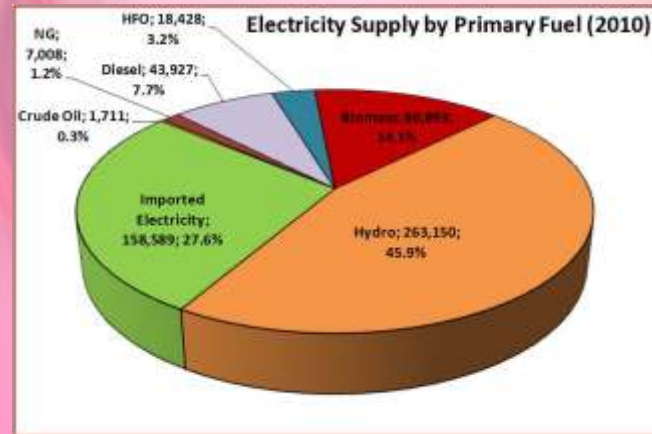
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Given Belize's abundant natural endowments and its very small market, when fully developed, the nation can produce a surplus of modern energy carriers when this sector is fully developed. A number of Central American and the Caribbean countries have large energy needs but little energy resources to exploit. The region is therefore a natural market for any excess electricity and bio-fuels Belize

can produce.

On the supply-side, Belize needs the cooperation of regional states to assist in the implementation of its sustainable energy strategy. Our countries face similar problems, so by working together we can solve common problems. Furthermore, as a regional group, sharing access to technology and financial resources to implement our sustainable development strategy is both necessary and prudent. For

example, Belize and five (5) other Caribbean nations are collaborating on implementing a "Green" buildings initiative. Efforts to harmonize energy efficiency standards and labels, to harmonize renewable energy policies and laws are just a couple of the issues we will work on that are mutually beneficial to us all.



Green Growth Investment Workshop

A one-day workshop on the theme “Green Growth Investment in the OECS – The Way Forward” was held on 20 September 2012 at the Bay Gardens Hotel in Saint Lucia. This Workshop was a follow-up to the Green Growth Investment Forum held 6-7 October 2011 in Brussels, which aimed at creating awareness among potential investors and policy makers in Europe about specific development realities and challenges facing the small islands of the OECS, as well as opportunities for targeted investment in clean technologies. This follow-up workshop focused on green growth investments in OECS and growing the green economy. Mr. Joseph Williams, Programme Manager, Energy Secretariat at this Meeting and provided perspectives on the green energy in context of the theme and objectives of the Workshop.



Breakout Working Group



Field trip to sites demonstrating clean technology and green businesses

SUMMARY REPORT OF CARIBBEAN RENEWABLE ENERGY CAPACITY SUPPORT (CRECS) PROJECT



Introduction: The Caribbean Renewable Energy Capacity Support (CRECS) Project was designed during execution of CREDP/UNDP Project and sought to build on achievements under CREDP with special focus on capacity support while also seeking to overcome barriers to RE in certain identified areas. **The Key Result Areas are: Result-1: Addressing Barriers to Increase RE Penetration in Member States and Result-2: Increased investment in various renewable energy enterprises among CARIFORUM countries: CRECS commenced in November 2010 (launched in Barbados in Jan. 2011) and ends 31 December 2012 Project Budget was €1.5Million**

Performance/Achievements: *Despite many delays (beyond the control of the Project) and administrative challenge, most activities have been executed successfully to achieve outputs with some impacts already visible eg. RE awareness, the execution of some significant activities were affected by administrative delays in approval of workplan for extension period, eg. targeted support for Haiti and level of support originally contemplated for assisting Member States with review of their legislative framework to support RE.*

See summary table of activities on page 10

CDM Workshop held in Jamaica, 25-27 September 2012

— Report of the CDM Workshop by Dr. Robert Stoddard, SE Specialist, CRECS Project

On 25-27 September 2012, a Regional Workshop of Capacity Building and Lessons Learned of Development of Clean Development Mechanism (CDM) Programme of Activities (POAs)

Development Mechanism (CDM); (ii) identifying opportunities for NAMAs in the Caribbean Sub-region; (iii) providing a project financing framework and an outline of the

bundling of five Regional RE projects for possible funding.

It was observed that CDM as a financing option, will be concluded at the end of 2012 and therefore it is not advisable for small countries to pursue raising financing through the PoAs which are linked to the CDM. Conversely, it is recommended that countries should seek to raise financing under the NAMAS which is simpler and less costly.

CARICOM Member States that were present at the workshop recommended that financing for bioenergy projects be sought under the NAMAs using a bundling approach. The UNEP RISO Office indicated its willingness to provide technical guidance and assistance to countries in this regard.



and Nationally Appropriate Mitigation Actions (NAMAs) was held in Jamaica on Clean Development Mechanism (CDM) Programme of Activities (PoAs) and Nationally Appropriate Mitigation Actions (NAMAs). The workshop, which was jointly hosted by UNEP Riso Centre, the OAS and CARICOM, was a follow-up to an earlier workshop held in Jamaica on 14-15 March 2012 by the CARICOM Secretariat on RE Project Financing and RETScreen Training under the CRECS Project. This Workshop was part of an effort to sensitise project developers, project analysts and financiers in Member States of CARICOM and by extension, other interest groups about the CDM, including the project requirements, criteria and modalities for funding.

requirements to satisfy the conditions for CDM financing; and (iv) examining modalities for



The objectives of the workshop included:

(I) providing information that will improve knowledge of the Clean

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Training Workshop on Research, Development & Innovation in Sustainable Energy, 12 November 2012 – By Sandra Britton, Project Manger, C-SERMS

The Consultancy to develop capacity building for Research and Development (R&D), and Science and Technology (S&T) in Sustainable Energy commenced on 28 May 2012 and is scheduled to be completed by 30 October 2012 under a Technical Cooperation with the Inter-American Development Bank (IDB), which is linked to C-SERMS Project.

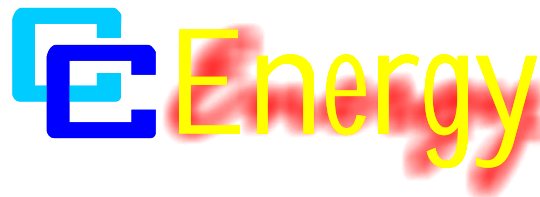
The First Training Workshop on Capacity Building for Research, Development and Innovation (RDI) in Sustainable Energy under the Consultancy was held on Monday, 24 September 2012 in Kingston, Jamaica. Over thirty (30) persons from various institutions in Jamaica including the University of Technology (UTech), the University of the West Indies Mona Campus (UWI Mona) and the Development Bank of Jamaica (DBJ) were in attendance. Also in attendance was a Lecturer from the university of Guyana, a Renewable Energy Analyst from the Ministry of Energy and Energy Affairs in Trinidad and Tobago and the Representative of OLADE Caribbean Sub-Regional Office in Jamaica.

The objectives of the workshop included training in project design, development and financing options as well as opportunities in establishing a sustainable energy RDI network.

The second workshop is slated for **Monday, 12 November 2012 in Guyana**. Various energy stakeholders have been invited both from Government Agencies and the Private Sector.

As part of the R&D component under the C-SERMS Project, a Study Tour will be conducted. This Study Tour is aimed at building capacity of Renewable Energy (RE) project developers, entrepreneurs, researchers, managers and

lecturers/teachers who are **CARICOM nationals from an IDB Member Country**. It is anticipated that this initiative will play a critical role in the promotion of technological innovation and the transfer and dissemination of technology and know-how.



SUMMARY OF CRECS PROJECTS ACTIVITIES EXECUTED

ACTIVITIES	COMPLETED	COMMENTS
Support to the CARICOM Energy Programme		
Support staff of Unit; Make presentation at various fora on RE	100%	Completed
Develop Model Electricity Supply Legislation to support RE development	20%	Work in progress
Draft Regional Electricity and energy supply legislation. Formulate national RE legislation or draft amendments to existing electricity supply legislation to include RE provisions - (8) Member States	0%	Contract awarded Work in progress
Develop regulations under the St Kitts & Nevis Geothermal Resource Dev Ordinance	15%	In procurement
Capacity Strengthening for Stakeholders		
Update Existing RE Module & Develop & Implement in RE MSc Pgm UWI	100%	Completed
Host regional Meeting targeting Universities and Research institution present Out put of RE MSc Pgm; (Develop strategic approach to R&D and Capacity building to support RE development)	100%	Completed
Increase Public Awareness in relation to RE		
Develop Model Energy Awareness Programme	100%	Completed
Train Key Persons in Member States to Design Programme & to Customize	100%	Completed
Produce Renewable Energy Awareness Materials and disseminate using various media for all Member States	100%	Completed
Stage Energy Awareness Week in at least Six (6) Member States; (CARICOM Energy Week – CEW- established in all Member States	100%	CEW 2012 being planned
Engage Haiti and the Dominican Republic		
Conduct 3 Missions to HAITI & establishment framework for support -	60%	2 Missions Completed
Conduct Baseline Assessment & Develop energy sector strategy for HAITI	20%	
Stage Workshop for Energy Sector in HAITI	100%	Completed
Conduct missions to Dominican Republic (involving CARICOM RE business persons and other stakeholders); identify document areas of south - south cooperation)	100%	Completed
Encourage Investment in Renewable Energy		
Encourage investment in RE and leverage International Risk Guarantee		
Review, screen and update pipeline of RE projects	100%	Completed
Develop portfolio of financing options	100%	Completed
Support/Host energy forum in collaboration with other partners	100%	Completed
Host workshop to strengthen capacity of developers, government officials, financiers in screening RE projects - RETScreen Software training	100%	Completed
Develop and implement strategy to encourage use of solar water heaters in public sector as well as for adopting Barbados Model in other Member States	100%	Completed
Host workshop: Innovative Finance Mechanisms	100%	Completed
Host Regional Seminar for Carbon Finance in association with Partners	100%	Completed

World Watch Institute Awarded Contract to Develop: Caribbean Sustainable Energy Roadmap & Strategy – 1st Phase



The main consultancy to map existing institutes, conduct energy sector analysis and establish initial sustainable energy targets, and develop the Caribbean Sustainable Energy Road Map (C-SERM), was awarded to **World Watch Institute (WWI)**, an energy and climate Think Tank and NGO based in Washington DC. The WWI is also developing Roadmaps in Jamaica, Haiti and the Dominican Republic (DR). The current Consultancy commenced on 17 September 2012 and is expected to be concluded by 13 April 2013. The scope of work includes, inter alia, gathering relevant data, conducting analyses of the CARICOM Energy Sector, and establishing Regional level targets for the short, medium and long term.

The Caribbean Sustainable Energy Road Map and Strategy (C-SERMS) will provide the basis for a more targeted approach to advancing sustainable energy development, and in so doing, allow for expedited actions. It will provide a framework for articulating, monitoring and adjusting regional-level sustainable energy strategies, as well as for securing commitments from Member States towards achievement of the established targets. The C-SERMS will be established and managed through the **C-SERMS Platform**, a wide-cross-section of regional energy sector stakeholders.



What is C-SERMS? The Caribbean Sustainable Energy Road Map and Strategy (C-SERMS) is CARICOM's Sustainable Energy Planning and Management Framework within the context of the Regional Energy Policy (being finalized), based on a mandate from CARICOM Heads of Government, through which RE and EE targets will be established, tracked and monitored, and strategies developed to meet those targets.

What are the Elements of C-SERMS?

- Base-lining and Assessment of RE resources and EE Potential,
- Establishment of Targets and Strategies
- Development of Tools

How will C-SERMS Benefit CARICOM Member States? The C-SERMS will:

- Encourage each Member State to set RE and EE targets and strategy; hence establish regional commitment, and accountability for RE and EE.
- Encourage the expedition of the pace of implementation RE and EE in Member States
- Help to establish basis for mobilizing financial resources and technical assistance from the International Community
- Be utilized for prioritising Regional-level strategies
- Encourage the systematic assessment and quantification of RE and EE potential
- Establish harmonized tools in all Member States for diagnosis, analysis, tracking and accounting for progress towards targets

What is the schedule for Developing the C-SERMS? Phase-1 of development started in 2011 with support from the IDB. Development of Phase-2 will begin 2013. Initial RE and EE targets and baseline to be completed by December 2012. Detailed RE and EE assessment and development of tools, etc. will continue after 2012.

How will the C-SERMS be implemented? The C-SERMS will be managed and steered through the C-SERMS Platform (broad-based group of energy sector stakeholders) while decisions will be made through the Council for Trade and Economic Development (COTED).

How is C-SERMS related to SIDDOCKS, SE4ALL Initiatives, etc? CARICOM targets will be set in the C-SERMS framework and fed into SIDDOCK. Tracking monitoring and timely adjustments to strategies and targets will be done through the tools of the C-SERMS. Targets of the SE4ALL Initiative will be rationalized in context of C-SERMS.

What is C-SERMS Platform and how does it differs from CIPORE? The C-SERMS Platform (C-SERMS-P) is a broad-based Meeting of all key stakeholders in CARICOM (at the national and regional levels) that will discuss critical sustainable energy development issues, and make recommendation for targets and strategies, to monitor progress towards targets and goals, and recommend timely adjustments. The output from C-SERMS-P will be submitted to the COTED (Energy) for Ministerial decisions. The www.cipore.org is an online renewable energy information portal based at CEIS aimed at sharing Caribbean renewable energy information.

NEW CARICOM-GIZ Renewable Energy and Energy Efficiency Technical Assistance Project (REETA)



In December 2010, the Government of Germany indicated its intent to provide support for sustainable energy development in CARICOM through a new 4.5 Million Euros Technical Assistance Regional-level Sustainable Energy Project. This support has been welcomed by the Region through the CARICOM Secretariat. In 2011, an Appraisal

Mission comprised of German experts visited CARICOM Member States and the CARICOM Secretariat to conduct an assessment of needs and developed the concept for the new project.

The project will have three main possible intervention lines which were proposed based on the

Appraisal. These are: (1) regional institutional support, (2) capacity building and (3) private sector cooperation

It is anticipated that the CARICOM-GIZ REETA Project will commence early in 2013 after full elaboration of Project with Member States and administrative elements is completed.

Winners of the 2012 IDEAS Energy Innovation Contest for the Caribbean announced

Eight winners of the 2012 IDEAS Energy Innovation Contest for the Caribbean were announced in August 2012, following a selection process which considered a total of 189 proposals. Awards of up to US\$200,000 are being offered to the following winning projects and enterprises which promote energy efficiency and access to renewable energy in the Caribbean region:

- Caribshare Biogas Project, **Echos Consulting**, JAMAICA

- Community hydroponic farming with solar energy, **The Family Garden**, JAMAICA
- Energy efficient hybrid solar agro-products dryer utilising alternative renewable energy and liquid desiccant technologies, **Caribbean ESCO Ltd.**, JAMAICA
- Collect and recycle used vegetable oil to Bio-diesel, **N.V. VSH Foods**, SURINAME

HAITI

- Optimisation of the energy efficiency of a bagasse co-generation project, **GSR Energy Limited**, BELIZE

A total of US\$ 1,486,000 was granted to develop innovative EE and RE solutions that have local or regional benefits, provide jobs and reduce greenhouse gas emissions. In addition to grant funding, winners will receive technical and business development support to implement or scale up their ideas, as well as access to other experts, policy makers, institutions and potential financial partners. The goal is to enable the winners to turn their ideas into financially sustainable businesses, thereby mitigating the energy problems facing the region. The contest was intended specifically for the Caribbean, with financial support provided by UKAid from DFID. The wider contest is also sponsored and supported by the global Village Energy Partnership (GVEP) International, the Government of South Korea, and the Inter-American Development Bank (IDB).



- Rural solar acceleration project, **N.V. Gugulex Technologies S A C**, SURINAME
- Fuel efficient and clean cooking stoves, **Prakti Design**, HAITI
- Electrification for rural Haiti, **B2D**,

SOME PHOTO HIGHLIGHTS FROM THE THIRD CARIBBEAN SUSTAINABLE ENERGY FORUM



The Third Caribbean Sustainable Energy Forum (CSEF III) which was held from 13-14 September 2012 at the St. Kitts Marriot Resort in St. Kitts and Nevis and has been generally deemed a successful event.

A wide cross-section of participants from across Member States and the international community participated.

The CSEF III Website www.csef3.org provides a full update on the CSEF III and the Summary Recommendations and Conclusions which will be considered for implementation at Special COTED Energy in early 2013



Ms. Elizabeth Thompson, UN ASG; Session Speaker at CSEF III



Head table during the CSEF III Opening Ceremony



H.E. Governor General and Rt. Hon. Prime Minister of St. Kitts & Nevis examine exhibits at CSEF III



Section of the audience at CSEF III



(L-R): Amb. of Finland to CARICOM, British High Commissioner to Barbados & the OECS, Head of Operations, EU Delegation to Barbados & the OECS, Charge d'Affaires, Germany Embassy, T&T



Hon Dr Azim Martin, Min of Energy St Kitts & Nevis

Dr. Zemedkun (UNEP) speaks with Trinidad and Tobago Delegates At the CSEF III



The Students also participated in the CSEF III

SOME UPCOMING SUSTAINABLE ENERGY EVENTS

1. *Third Regional Sustainable Energy Coordination (Virtual) Meeting, 29 October 2012*
2. *Second Regional Workshop of Capacity Building in Research, Development and Innovation, CARICOM Secretariat, Georgetown, Guyana, 25 October 2012*
3. *10th OOCUR Annual Conference, Nassau, Bahamas, 7-9 November 2012*
4. *CARICOM Energy Week 2012, 11-17 November 2012*
5. *First Meeting of Ministers of Energy of Latin America and the Caribbean of CELAC, Lima, Peru 16 November 2012*
6. *XLIII Meeting of Ministers of Energy of OLADE and the First Meeting of Ministers of Energy of CELAC in Lima, Peru, 17 November 2012*
7. *World Climate Summit 2012, Doha, Quatar, 1-2 December 2012*

Disclaimer

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