



WEDNESDAY, OCTOBER 12TH

10.00 – 18.00

PRIVATE SIDE EVENT FOR CARIBBEAN GOVERNMENTS AND REGIONAL AND INTERNATIONAL MULTILATERALS

19.00 – 21.00

REGISTRATION & WELCOME GALA RECEPTION
HOSTED BY THE GOVERNMENT OF THE BARBADOS

THURSDAY, OCTOBER 13TH

08.20 – 09.00

CREF 2011 OPENING CEREMONY

CHAIRMAN'S INTRODUCTION

Jerry Butler, Chairman, Caribbean Renewable Energy Forum (CREF)

WELCOME ADDRESS

Albert R. Ramdin

Assistant Secretary General, Organization of American States (OAS)

BARBADOS GOVERNMENT WELCOME ADDRESS

The Hon. Freundel Stuart, Q.C., M.P.

Prime Minister, Government of Barbados

09.00 – 10.30

PANEL I

GOVERNMENT ROUNDTABLE: SECURING THE FUTURE - THE LONG-TERM VIEW ON ENERGY AND ENERGY POLICY

Government policy will ultimately define the re-shaping of the Caribbean approach to energy. This panel will gather regional and international leaders for an interactive discussion on the intertwined future of policy, energy, and the challenge of constructing long-term economic security.

- How are Governments across the region approaching the challenge of creating a diversified energy matrix for long-term economic security? What success stories world-wide do they have to draw on?
- How do regional governments measure the net benefit (or downside) to national GDP of renewables and what implications does this have in terms of national policy and incentives?
- How do government leaders perceive the opportunities for interconnection? How do we measure interconnection against other strategies for long-term energy security?
- What renewable initiatives (policy, projects) are in the pipeline at a national level?

- Why has policy lagged behind the will to implement renewables and how can governments expedite the process?
- How involved do we think governments should be, and need to be, in the process of transitioning energy production to renewables? Should policy take the lead, or can we rely on free markets (the rising price of oil, the decreasing cost of renewables production) to bring about change organically?
- How does energy rank in terms of overall government priorities in 2011?

Confirmed Speakers

Michelle Gyles-McDonnough, Resident Coordinator, United Nations; Resident Representative, United Nations Development Programme (UNDP) – Barbados & OECS (*Panel Chair*)

Hon. Juliana O'Connor-Connolly, Deputy Premier, Cayman Islands Government

Hon. Laurence Broderick, Minister of State, Ministry of Energy & Mining, Government of Jamaica

Hon. Kenneth McClintock, Secretary of State, Puerto Rico

Ambassador Carlos Pascual, Special Envoy and Coordinator for International Energy Affairs, US Department of State – USA

Gabriel Goldschmidt, Head of Infrastructure, Latin America & The Caribbean, International Finance Corporation (IFC) – USA

10.30 – 11.00

COFFEE BREAK

11.00 – 12.30

PANEL II

THE UTILITY PANEL: NEW MODELS FOR DIVERSIFIED GENERATION & LONG-TERM PROFITABILITY

Caribbean utilities frequently find themselves between a rock and a hard place. The rock is a mandate to run a business; the hard place is to respond appropriately to vociferous demands that models be revised to incorporate renewables. Given the rising price of oil and the decreasing cost of renewables some of the inherent conflicts are lessening. Moving forward, what role do Caribbean utilities perceive renewables playing in the long-term economic viability of their businesses?

- Can we see a role emerging for Caribbean utilities as renewable energy developers?
- Can we point to regional/extra-regional utilities that have successfully incorporated renewables into their portfolio? What do we learn from their experience?
- Where can we point to successful in-region or extra-regional examples of utilities and government collaborating to achieve interlinked policy/economic/business objectives?
- What is the utility perspective on distributed generation? Can that work and on what terms?

Confirmed Speakers

Will Wynn, former Mayor, Austin, Texas; former Chairman, Austin Energy – USA (*Panel Chair*)

G. Robert Blanchard, President & Chairman, WRB Enterprises Inc. – USA

Graeme Boyce, Chief Executive Officer, Solamon Energy – Canada

Christiaan Gischler, Senior Energy Specialist, Inter-American Development Bank (IDB) – USA

Amiraly Valibhay, Manager of Project Strategy and Development, Electricite de France (EDF) – France

Peter Williams, Managing Director, Light and Power Holdings Ltd. – Barbados

12.30 – 14.00

NETWORKING LUNCH

GUEST SPEAKER

14.00 – 15.30

PANEL III

DRIVING CAPITAL TO PRIVATE SECTOR PROJECTS

The flow of capital into renewable energy projects in the Caribbean has been, to date, a trickle. Capital is currently plentiful, under-deployed, and will flow to good projects. What constitutes a good project and

what does a developer need to demonstrate to access public sources of funds? Where are funds available and on what terms? What are the hurdles and how can we overcome them?

- Which of the multilaterals/development banks have lending programs aimed at private sector projects? What are their baseline criteria?
- How does private capital (PE firms, commercial banks) view renewable projects in the Caribbean and on what terms are they attractive?
- If and how can we deploy carbon credits to fund regional projects?
- What is the optimal level of government involvement and what sort of policy incentives should (or shouldn't) be put in place?
- What success stories do we have to draw on in the Caribbean and elsewhere in the world? What can we learn from them?
- Is there a future for PPPs in the Caribbean?

Confirmed Speakers

Lynn Tabernacki, Managing Director, Renewable Energy & Sustainable Development Finance, Overseas Private Investment Corporation (OPIC) – USA (*Panel Chair*)

Yves Ferreira, Head of Regional Representation, European Investment Bank (EIB) – Martinique

George J. Longo, Managing Director, Head of Project Finance, Raymond James & Associates, Inc. – USA

Craig O'Connor, Director, Office of Renewable Energy & Environmental Exports, US Ex-Im Bank – USA

Don G. Roberts, Vice-Chairman, Wholesale Banking; Managing Director, Investment Banking, CIBC World Markets Inc. – Canada

Rick Tallman, Founder & Partner, Renova Capital Partners – USA

Mark Tippett, Founder and President, North Star Development Ltd. – USA

15.30 – 16.00

COFFEE BREAK

16.00 – 17.30

PANEL IV

A RISING TIDE FLOATS ALL BOATS: INVESTMENT OPPORTUNITIES IN THE CARIBBEAN

In the context of an increasingly renewable-friendly environment across the region, a panel of regional and international experts and developers will discuss and debate the most compelling opportunities for renewables development in the Caribbean based on the underlying resource, government policy, the regulatory environment, and the incumbent utility's position on electricity generation.

- Which jurisdictions are most policy-friendly towards renewables? Which jurisdictions are on the cusp of providing renewable-friendly environments?
- On which islands should wind be developed based on installed capacity vs. wind potential vs. current energy price?
- Which utilities are most actively seeking renewables solutions?
- What, broadly, are the key hurdles from an investor perspective and what are we doing to address them?
- How do we measure the success of some of the key agencies active in the region (CARICOM, GIZ, IDB, et al.) in terms of increasing transparency, providing funding, and expediting implementation of RE projects across the region?

Confirmed Speakers

Mark Lambrides, Chief, Energy and Climate Change Mitigation, Organization of American States (OAS) – USA (*Panel Chair*)

Dr. Albert Binger, Science and Technical Advisor, Alliance of Small Island States (AOSIS) – USA

David Ehrhardt, CEO, Castalia Strategic Advisors – France/USA

Leonard (Len) Enriquez, President, Cambridge Project Development Inc. – USA

Adrian Katzew, General Manager, Mexico and Caribbean, Vestas – Mexico

Thomas Scheutzlich, Principal Advisor, CREDP-GIZ – Germany/St. Lucia
Joseph Williams, Programme Manager, Energy, CARICOM – Guyana

18.00 – 19.30

COCKTAIL NETWORKING RECEPTION

HOSTED BY THE INTER-AMERICAN DEVELOPMENT BANK (IDB)

On the occasion of the signing of the second phase of the Caribbean Hotel Renewable Energy and Energy Efficiency Action Program (CHENACT-AP)

FRIDAY, OCTOBER 14TH

08.15 – 09.30

WORKSHOP: BARBADOS INVESTMENT OPPORTUNITIES IN THE RENEWABLE ENERGY & ENERGY EFFICIENCY SECTORS

With both a government and a utility committed to developing renewables, Barbados is taking a regional lead in the push for a diversified energy matrix. Opportunities for investment and development in the RE/EE sectors will be significant moving forward. This workshop will gather leaders from the public and private sector to discuss and debate where those opportunities lie and how they are best exploited.

Confirmed Speakers

Wayne Kirton, Chief Executive Officer, Invest Barbados (*Workshop Chair*)

Andy Armstrong, President, Barbados Chamber of Commerce

James Husbands, Managing Director, Solar Dynamics

Peter Williams, Managing Director, Light and Power Holdings Ltd.

Ralph "Bizzy" Williams, Chief Executive Officer, Williams Industries

09.30 – 10.30

THE POLICY DEBATE: BERMUDA AND BARBADOS

Barbados and Bermuda are aggressively moving toward a policy-friendly environment for the implementation of renewables. Bermuda published its long-awaited White Paper in July, while Barbados is in the thick of legislative reform. In a highly interactive session, this discussion will analyse the two approaches, assess their relative feasibility, and determine which measures might usefully be adopted by other jurisdictions in the region.

Confirmed Speakers

Senator Hon. Darcy Boyce, Minister in the Prime Minister's Office, Government of Barbados

Hon. Walter H. Roban, JP, MP, Minister of Environment, Planning and Infrastructure Strategy, Government of Bermuda

Jerry Butler, Chairman, Caribbean Renewable Energy Forum (CREF) – Bahamas (*Moderator*)

10.30 – 11.00

COFFEE BREAK

11.00 – 11.15

KEYNOTE ADDRESS

His Excellency Gerrit F. Schotte

Prime Minister, Government of Curaçao

11.15 – 12.30

FOCUS GROUP I

A NEW ERA OF RENEWABLE BASELOAD FOR THE CARIBBEAN: GEOTHERMAL

Nevis and St. Lucia, albeit not without significant setbacks along the way, are moving aggressively forward with plans to tap geothermal resources. Opportunities for geothermal abound elsewhere across the region, perhaps most notably in Dominica. This panel will examine the current status of projects in Nevis and St. Lucia and will analyse opportunities for the extraction of geothermal in other jurisdictions.

- Where are the most feasible opportunities for participation in Caribbean geothermal for international developers and investors?
- Is the extraction of geothermal energy economically viable without the prospect of interconnection?
- What are the economics of geothermal?
- What can regional governments and utilities learn from progress in Central America?
- What are the particular financing issues as they relate to geothermal?
- Latest technological advancements and applicability in the Caribbean?

Focus Group I Location

Needham's Point Ballrooms

Confirmed Speakers

Robert Blenker, Vice President of Renewable Energy and Chief Development Officer, WRB Enterprises – USA (*Focus Group Chair*)

William Lajousky, Managing Director, Renova Capital Partners – USA

Gary Putt, Director, Business Development, Institute of Earth Science & Engineering, Auckland UniServices Limited. – New Zealand

Ariel Sacerdoti, Director, Business Development, Ormat – USA

Jason Timothy, Project Coordinator, Geothermal Project Management Unit, Commonwealth of Dominica

12.30 – 14.00

NETWORKING LUNCH

11.15 – 12.30

FOCUS GROUP II

ENERGY EFFICIENCY: PICKING THE LOW-HANGING FRUIT

We often hear that the implementation of energy efficiency programs is the Caribbean's low-hanging fruit. If that is the case, why don't we see more of it? Proven technologies are ready to be deployed, as – for the right projects – is financing. How do we connect the dots?

- Is there a large enough community of suitably qualified ESCOs in the Caribbean? What can we do to encourage new entrants into the market?
- What sort of policy incentives should we be encouraging?
- What success stories can we point to in the Caribbean and in similar markets world-wide? What can we learn from their experiences?
- What role might the utility play in promoting energy efficiency programs?
- What are the tried and tested business models for energy efficiency programs?

Focus Group II Location

Garrison Meeting Rooms

Confirmed Speakers

Sally Yearwood, Executive Director, Caribbean Central American Action (CCAA) – USA (*Focus Group Chair*)

Winton Gibbs, General Manager, Barbados National Oil Company Ltd (BNOCL) – Barbados

Marc Lopata, President, Microgrid Energy – USA

Hector Mendoza, General Manager, Central America & Caribbean, Philips Lighting Central America – El Salvador

Adam Warren, Group Manager, Regional Initiatives, Commercialization & Deployment, National Renewable Energy Laboratory (NREL) – USA

Darren Zwicker, Executive Vice-President, LED Roadway Lighting – Canada

14.00 – 15.15

FOCUS GROUP III

A NEW ERA OF RENEWABLE BASELOAD FOR THE CARIBBEAN: OCEAN-DERIVED ENERGY

Ocean energy technologies have progressed rapidly and are becoming, for some markets, competitive. The Caribbean is endowed with huge ocean resources but as yet they are entirely untapped. As new technologies come online, can we look forward to extensive ocean energy development across the region?

- Is now the time to be looking to the ocean for energy, or are we too far ahead of the technological and economic curve?
- Which other markets - e.g. Scotland, Portugal - are getting ahead and what can we learn from them?
- Are there environmental issues we need to consider? Particularly as it relates to impact on tourism?
- What do we need to see from policy-makers and regulators?
- Which technologies do we like for the region and why?

Focus Group III Location

Needham's Point Ballrooms

Confirmed Speakers

Douglas E. Cotton, Senior Project Manager, HDR – USA (*Focus Group Chair*)

Alvaro Atilano, Senior Marine Energy Adviser, HINICIO – Panama

Dana Morin, President, Fundy Tidal Inc. – Canada

Melanie Nadeau, Senior Manager, Sustainability, Emera – Canada

Dr. Steve Oney, Chief Science Officer, Ocean Thermal Energy Corporation – USA

14.00 – 15.15

FOCUS GROUP IV

ELECTRIC VEHICLES FOR THE CARIBBEAN THE BIG PICTURE: WHY AND HOW?

EV technology has improved rapidly in recent years in terms of both range and affordability. As oil prices continue to soar, is now the time to make a concerted public/private push for EVs in the Caribbean, a region many manufacturers regard as an optimal environment for EVs (high price of gas, low distances typically traveled)?

- What government involvement do we need to see for the successful introduction of Electric Vehicles in the Caribbean?
- What are the policy and economic implications?
- What are the infrastructural requirements of any serious attempt to transition to EVs?
- Are PPPs the desired approach to building nation-wide infrastructure?
- What sort of incentive programs should we look at for EV importers/users?
- What have other governments/states in the region and world-wide put in place to support the introduction of EVs? How are recent initiatives in the DR and PR developing?
- Should government support of EVs go hand-in-hand with other policy measures to mandate, for example, fuel economy minimums for petrol-fueled cars, support of the introduction of hybrids, etc.

Focus Group IV Location

Garrison Meeting Rooms

Confirmed Speakers

Hon. Dennis P. Lister, JP. MP, Bermuda (*Focus Group Chair*)

Eduardo Aranda, Deputy Director, Latin America & The Caribbean, Nissan – Mexico

Víctor Juárez G., Coordinator, Clean Vehicle Research Institute – Mexico

15.15 – 15.45

COFFEE BREAK

15.45 – 17.15

PANEL V

THE DOMINICAN REPUBLIC AND PUERTO RICO: ENERGY, RENEWABLES, OPPORTUNITIES

Two politically very distinct jurisdictions, but a shared language and a common commitment to driving forward the diversification of their respective energy matrices, the Dominican Republic and Puerto Rico have led the region in terms of RE implementation. This panel will analyse progress to date, latest policy initiatives, hurdles to be addressed - and opportunities for investment moving forward. The panel will also

examine the possibilities for, and obstacles to, interconnection between Puerto Rico and the Dominican Republic, as well as the feasibility of generating electricity for transmission to Haiti.

- How can the Dominican Republic and Puerto Rico make most of their renewable energy potential? What role does sustainable energy play in reaching their overall development goals?
- Project update, PR: e.g. US\$500m WTE plant; US\$215m Finca de Viento Santa Isabel wind farm project along the island's south coast
- Project update DR: e.g. Los Cocos 25MW wind farm, owned by EGE- Haina owned; the 8MW Quilvio Cabrera wind project, plus Bani (30MW) and Puerto Plata (50MW)
- Where are the new opportunities for international developers and what barriers still exist for larger private sector investment?
- What are the possibilities afforded by interconnection: pros, cons, and opportunities for private sector involvement?
- What are the implications for the energy sector of the recent U.S. President's Task Force on Puerto Rico?

Confirmed Speakers

Wilson Rickerson, CEO, Meister Consultants Group – USA (*Panel Chair*)

Luis M. Bernal-Jiménez, Executive Director, Energy Affairs Administration, Government of Puerto Rico

Julián Despradel, Coordinator of the Projects Division, Renewable Energies and Energy Efficiency Department, National Energy Commission (CNE) – Dominican Republic

Alexander Ochs, Director, Energy & Climate Program, Worldwatch Institute – USA

Tito Sanjurjo, Gerente General, EGE Haina – Dominican Republic

Chandra Shekhar Sinha, Lead Financial Specialist, World Bank – USA

17.15

CLOSING REMARKS AND CONFERENCE CLOSE