

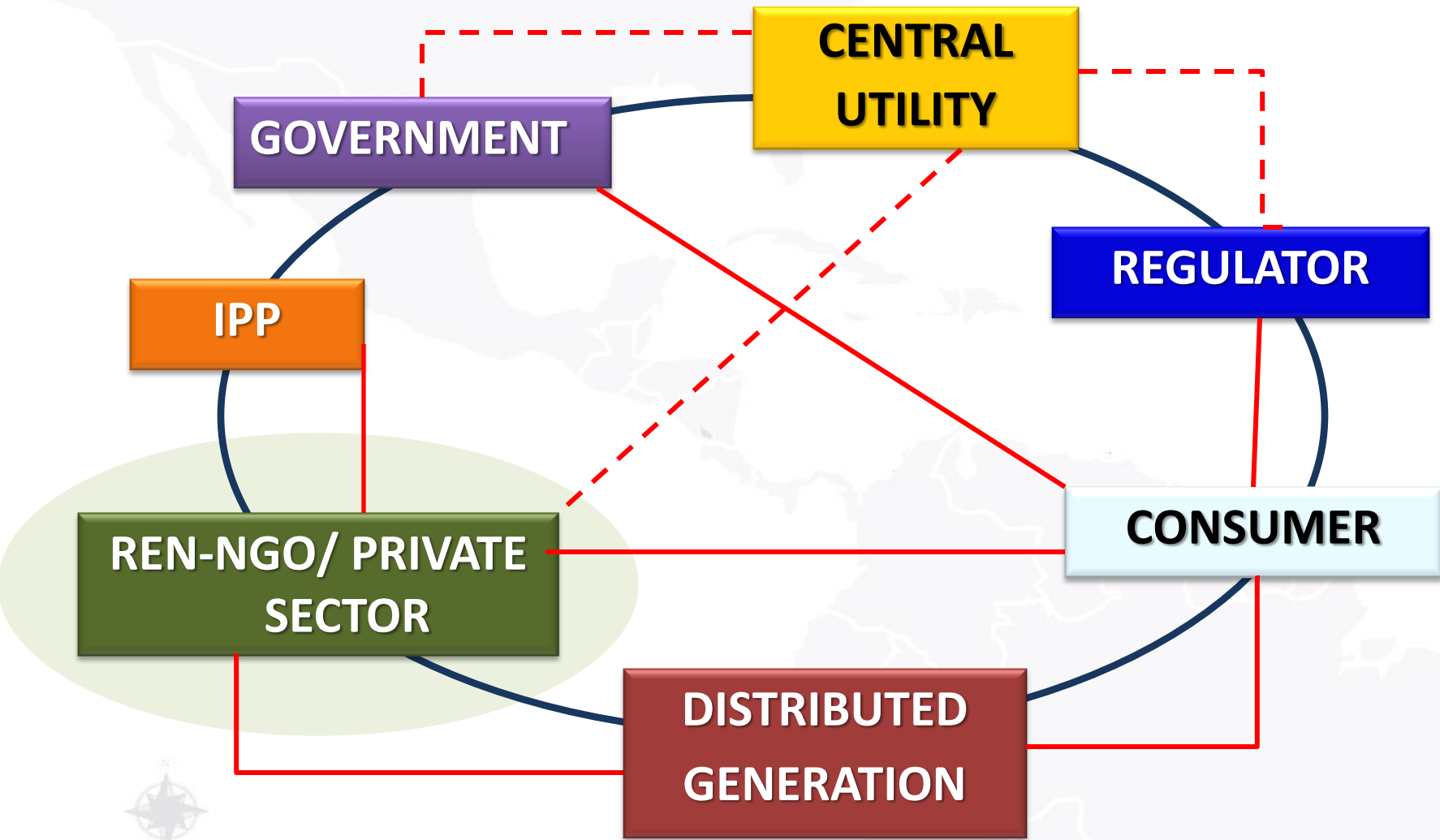
# **“STRATEGIC ROLE FOR CIVIL SOCIETY ORGANISATIONS IN A SUSTAINABLE ENERGY TRANSITION”**

*Sustainable Energy Independence in the Caribbean:  
“MAKING IT HAPPEN CONFERENCE”*

Lloyd Erskine Sandiford Center, Barbados.

10<sup>th</sup> – 11<sup>th</sup> November 2016


David Barrett  
ENBAR CONSULTING





1. What is the value proposition for REN Associations?
2. Should they be marginalised in the energy sector transition?





# VALUE PROPOSITION – RE ASSOCIATIONS/NGO'S



# Manufacturing Sector & Employment

- Gap between government clean energy policy, legislation and regulations and the utility's commercial constraints and objectives (few island exceptions).
- Utilities may be concerned about **sunk investments and stranded FF assets**.
- REN Associations/NGO's **translate public policy into REAL projects** on the ground.
- Association members are visionary PSO members or residents **investing in clean energy technology**.

## Forerunners for Caribbean **SWH Manufacturing Sector.**

1. Prof. Headley   
(Barbados)
2. James Husbands   
(Barbados)
3. Eaton Haughton   
(Jamaica)

**Manufacturing sector  
environment must be  
facilitatory.**





- Using **detailed and expert knowledge** – REN associations/NGOs monitor and evaluate developments in the sector for commercial or technical purposes (data collection).
- Critical for Govt's data collection.

Jamaica Net Billing Pilot Program Evaluation  
National Renewable Energy Laboratory  
Final Delivery Version 6/5/2015

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## Documents

<a href="#">Notes on the Determination of Direct Program Cost (DPC) For Net Billing</a>	(Dec 12, 2012)
<a href="#">Electricity Wheeling/Transmission Pricing Framework for Jamaica</a>	(Dec 11, 2012)
<a href="#">GEI requirements for rooftop PV installations</a>	(Oct 12, 2012)
<a href="#">DG Interconnection Guidelines - JPS Co. July09 Draft v3.0 final</a>	(Oct 8, 2012)
<a href="#">Copy of the decision JPS Monopoly</a>	(Jul 31, 2012)
<a href="#">Wind Map</a>	(Jul 27, 2012)
<a href="#">Energy efficient items</a>	(Jun 23, 2012)
<a href="#">Presentation: Unbundling electricity sector in Jamaica</a>	(Jun 19, 2012)
<a href="#">Paper about unbundling electricity sector in small islands</a>	(Jun 19, 2012)
<a href="#">Climate Technology Program</a>	(Jun 16, 2012)
<a href="#">DBJ Energy Equipment Suppliers Dec 2011</a>	(Jun 12, 2012)
<a href="#">Solar Systems Installation Standards</a>	(Jun 8, 2012)
<a href="#">Photovoltaic system - OUR</a>	(Jun 7, 2012)
<a href="#">JPS back-billing policy fails to meet OUR requirements</a>	(Apr 5, 2012)
<a href="#">RETSscreen 4</a>	(Mar 14, 2012)
<a href="#">Workshop on Project Development and Financing of Renewable Energy Projects</a>	(Mar 14, 2012)
<a href="#">Financing of Renewable Energy Projects in the Caribbean Region</a>	(Mar 14, 2012)
<a href="#">JPS - Guidelines for Meter Inspections and Audits</a>	(Mar 11, 2012)
<a href="#">JPS - Back-billing Policy</a>	(Mar 11, 2012)
<a href="#">Renewable energies potential in Jamaica</a>	(Mar 10, 2012)
<a href="#">List of items for suspension of CEI</a>	(Mar 8, 2012)
<a href="#">Petroleum Act (Extension of Functions) Order for Renewable Energy</a>	(Mar 8, 2012)
<a href="#">JPS commissioned Castalia Report</a>	(Mar 3, 2012)
<a href="#">Energy Efficiency Potential In Jamaica</a>	(Feb 29, 2012)
<a href="#">National Renewable Energy Policy</a>	(Feb 29, 2012)
<a href="#">Jps all island electricity licence 2001</a>	(Feb 24, 2012)
<a href="#">SOC application form</a>	(Feb 23, 2012)
<a href="#">OUR SOC process flow</a>	(Feb 23, 2012)
<a href="#">Jamaica Public Service Company Limited Standard Offer Contract for the Purchase of As-Available Intermittent Energy from Renewable Energy Facilities up to 100kW</a>	(Feb 23, 2012)
<a href="#">Jps all island electricity licence 2011</a>	(Feb 23, 2012)

## Jamaica Sustainable Energy Roadmap

Pathways to an Affordable, Reliable, Low-Emission Electricity System



October 2013

WORLDWATCH  
INSTITUTE

Supported by:  
Federal Ministry for the  
Environment, Nature Conservation  
and Nuclear Safety  
based on a decision of the Parliament  
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# FDI Sources for Commercial Projects

- Credible PSOs and REN Associations/NGOs attract financing and sustainable international partnerships:
  - German Chamber of Commerce.
  - GiZ.
  - SOFOS (Spain)
  - Future Energy (Europe)
  - BMR (34 MW wind, Jamaica)
  - WWFL I, II & III (63 MW, European, Venezuelan, OPIC funding).
  - WRB/Content Solar (20 MW, OPIC financing)
  - EREL (37 MW).

<b>OPIC</b>	<b>CARICOM</b>	<b>IFC-WB</b>
<b>CDB</b>	<b>Canada</b>	<b>USAID</b>
<b>EU</b>	<b>GIZ</b>	<b>CENTRAL BANK OF BARBADOS</b>



- **Capacity development** for sector to meet standards and regulations for sustainability.
- Collaborations with academic institutions
  - Professional courses.
  - Seminars/conferences.
- Public education.
  - Seminars/conferences.
  - News paper articles.
  - other
- Barbados Renewable Energy Association.
- Jamaica Solar Energy Association.
- Caribbean Solar Energy Association-UWI.

Protection of consumer and PSO assets to build fair & viable RE market for sustainability.

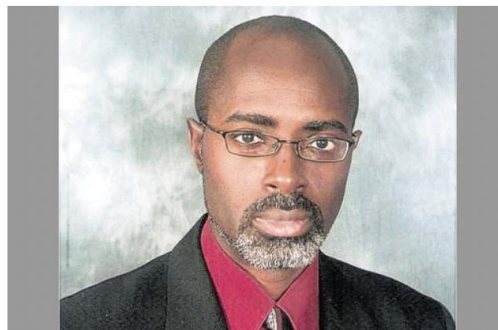
## News

### Suspension of net billing irks Solar Energy Association

BY ALPHEA SAUNDERS Senior staff reporter saundersa@jamaicaobserver.com

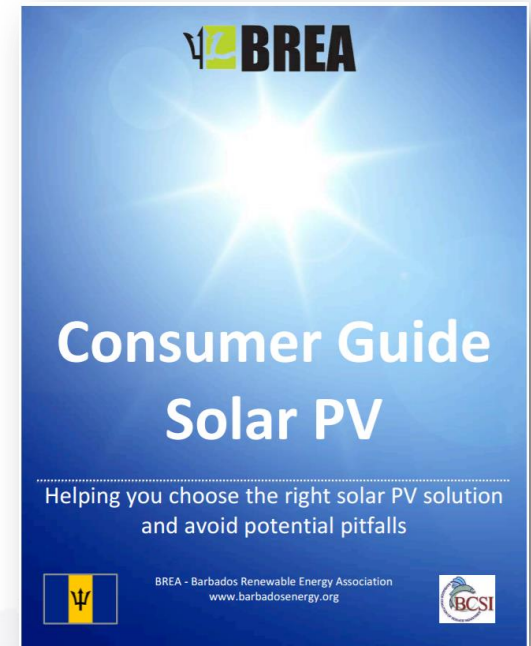
Thursday, May 21, 2015 9 Comments

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BARRETT ... it was abrupt and without proper notice to stakeholders

STAKEHOLDERS in the renewable energy sector are demanding answers from the Jamaica Public Service Company (JPS) and the Office of Utilities Regulation (OUR) about the suspension of the light and power company's net billing programme.




**BREA**

## Consumer Guide Solar PV

Helping you choose the right solar PV solution and avoid potential pitfalls

BREA - Barbados Renewable Energy Association  
www.barbadosenergy.org




**The Gleaner**  
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Established 1834

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**Renewable Energy Providers Fear Millions In Debt Over Suspension Of Net Billing Process**

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The Jamaica Solar Energy Association says many of its members risk incurring millions of dollars in debt as a result of what it calls the abrupt and unexpected suspension of applications for net billing.

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# Status of Renewable Energy Associations ?



# **LOCAL STRATEGY - SUSTAINABLE TRANSITION TO CLEAN ENERGY**



- **MUST ENCOURAGE THE DEVELOPMENT AND MATURATION OF REN ASSOCIATIONS/NGOS IN EACH ISLAND !!**
  - <10 registered renewable energy associations identified across Caribbean Region (December 2015).
  - Autonomous with varied organisational structures.
  - Small size - estimated at  $\leq 100$  members each.
  - Nascent (<10 yrs old).
- **STANDARDS AND TRAINING** - Primarily practitioners; energy or environmental enthusiasts; other who are not always trained to install systems.



# Reduce Policy & Legislative Challenges

- Uncertain regulatory framework/environment are not conducive to rapid proliferation of REN. Discourages FDI opportunities.
- **APPROPRIATE POLICY DEVELOPMENT.** No approved energy policies in some islands. Limited influence/impact on national energy Policy, Regulations, or tariff decision-making process.
- Associations/NGOs must **BE INTEGRATED IN SYSTEMATIC CONSULTATION AND DECISION-MAKING PROCESSES WITH ALL MARKET PLAYERS.**
- **UTILITY INFLUENCE SHOULD BE GUIDED BY POLICY & LEGISLATION** - Utility challenges/frustrates proliferation of RE technologies regardless of country and utility type.
  - Stymied opportunities for contributing to greater energy security through energy diversification, energy import substitution and maximisation of indigenous energy resources.



- **DEVELOPMENT AGENCIES, RESEARCHERS AND GOVERNMENTS NEED TO APPRECIATE THE VALUE OF THE ASSOCIATIONS/NGOS, ESPECIALLY FOR SUCCESS AND SUSTAINABILITY OF THEIR OWN DONER PROGRAMMES.**
- **OPTION MAY BE TO RISK A FRACTURED AND UNSUSTAINABLE TRANSITION FROM TRADITIONAL FUELS TO AVAILABLE CLEANER ENERGY.**
- **THEIR INVESTMENT MUST BE URGENT, TANGIBLE, AND APPROPRIATE FOR A SUSTAINABLE LOCAL CLEAN ENERGY TRANSITION.**
- Associations have;
  - Current low internal capitalisation.
  - Finances needed for administration, capacity development, data collection and evaluation.
  - Develop fervent, factual and consistent advocacy.



# **REGIONAL STRATEGY – FOR SUSTAINABLE TRANSITION TO CLEAN ENERGY**



- **SOME REGIONAL BODIES HAVE SUSTAINED HISTORICAL HEGEMONY AND CAPITAL INTERESTS IN CONVENTIONAL ENERGY USE WHICH NEED TO CHANGE.**
- **REGIONAL, LOCAL POLICY AND LEGISLATIVE DEVELOPMENT AND CLEAN ENERGY EDUCATION IS NEEDED TO CHANGE ENERGY PARADIGMS.**

Regional 'giants' in the energy sector:

- CARICOM Energy Unit & the Council for Trade and Economic Development (**COTED**).
- Organisation of Eastern Caribbean States and Eastern Caribbean Energy Agency (**OECS/ECERA**).
- Organisation for Caribbean Utility Regulators (**OOCUR**).
- Caribbean Electric Utility Service Corporation (**CARILEC**) -
- **Utilities** – state, overseas ownership (independent or state participation).



## REN ASSOCIATIONS/NGOs NEED REGIONAL LEVEL REPRESENTATION !!

### VISION:

- A (Caribbean) Regional Energy ‘Coalition’ of independent, autonomous Renewable Energy Associations as a vehicle for collaboration, in order to establish and advance the development of RE and energy security in each Member Country and the Region.

### GOAL:

- To create a structured and functional mechanism for collaboration between Renewable Energy Associations (NGOs) within the Caribbean and a recognised channel for international support for the advancement of the specific and individual objectives of each member within their respective countries.



## Specific Objectives (1):

- Create a Regional lobby and advocacy platform to **remove regulatory, legislative and institutional barriers** to the proliferation of RE and EE technologies in Member countries.
- Create a mechanism for **sharing** experiences, expertise, knowledge, information and data between Members which can be used as a tool to overcome local barriers to RE and EE technology proliferation. Facilitate free movement of experts within the Region
- Development and harmonisation of quality **standards, competence and expertise**, comparable to internationally recognised performance and quality standards.
- Create a **Regional lobby platform** to stimulate urgent response from Governments in Member countries to remove barriers and provide the enabling environment for proliferating RE in member countries.
- Create an informed and unified strategy and platform to **lobby for changes in utility structure, pricing mechanism and procedures** which is currently a barrier to the development of RE and EE technologies in Member countries.



## Specific Objectives (2):

- Provide a **unified and credible voice** to represent the interests of member REN Associations at Regional bodies, meetings and forums (e.g. CARILEC, CARICOM, OOCURR, other).
- Create a recognised and respected channel to receive local and international **development support** for the development of strong Member Associations.
- Assist with the formation of **new independent RE Associations** within each interested Member Country.
- Conduct **research** for the development and advancement of the cause and actions of Member Associations.
- Support **public education and stakeholder consultations** for development of the business environment (market expansion).



## **Exceptions:**

1. No competition, merger, replacement or subsuming of any Member Country Associations under a 'Coalition'.
2. Shall not replace any existing channels for collaboration or coordination (e.g. Caricom Energy Unit, CEIS, CIPORE, SEEC, C-SERMS or other).
3. No competition for existing or negotiated financial resources or activities of Member Associations.
4. Shall not speak on behalf of any individual member Association unless specifically requested and authorised.

# CONCLUSIONS:



In the immediate and long-term energy transition:

- A non-disruptive and SUSTAINABLE transition from conventional energy sources to CLEAN ENERGY options **REQUIRES VIBRANT AND INTEGRATED LOCAL AND REGIONAL REN ASSOCIATIONS/NGOs.**
- REN Associations/NGOs are central to the success of related developmental objectives such as manufacturing, job creation, fair trade, FDI and donor programmes.
- **Win-win-win** opportunity for state, donors, utilities, citizens, and regional bodies.
- REN Associations/NGOs must be **systematically included** in national and regional consultation and decision-making.
- Focused attention is needed at the **HIGHEST LOCAL AND REGIONAL LEVELS** to change the hegemony of conventional energy for a successful and sustainable clean energy transition. **POLICY, LEGISLATION AND REGULATIONS NEED ATTENTION.**



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2. **Barbados Renewable Energy Association (BREA).**
3. **Dominican Republic Renewable Energy Association (ASOFER).**
4. **Cayman Renewable Energy Association.**
5. **Gulf Coast Energy Network (USA).**
6. **Caribbean Renewable Energy Society (Trinidad).**
7. **Costa Rica Renewable Energy Association.**
8. **Caribbean Sustainable Energy Professionals.**