



Puerto Rico

Chamber of Commerce

First E³ Summit of the Americas 2011

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COMPETITIVENESS



April 6 & 7, 2011 | Conrad San Juan Condado Plaza

Renewable Energy: Opportunities for Regional Synergy and Interconnection

April 7, 2011

Public Policy in Puerto Rico

- Executive Order for the following:
 - Declared as an emergency the need to address the infrastructure related to the generation of electricity;
 - Focus is on infrastructure for the use of alternate fuels, sustainable renewable energy and alternate renewable energy;
 - Mandated an expedited process for permits, consultations, endorsements, comments, recommendations and certifications for energy projects;

Public Policy in Puerto Rico

- Executive Order for the following:
 - Created an Interagency Environmental Compliance Sub-Committee responsible for evaluating all environmental documents presented for energy projects under this Executive Order.
 - Ordered, among others, any Director of a Public Corporation to implement the transitory measures and make any decisions necessary to comply with the Executive Order.

Public Policy in Puerto Rico

- Green Energy Fund
 - Development of Green Energy Markets
 - RECs
 - Regulatory scheme
 - Tax Incentives
 - Generation facilities

Public Policy in Puerto Rico

- Renewable Energy
 - Renewable Energy Commission
 - Mandatory generation through renewables for all generators that sell energy at the retail level.
 - 12% by 2015
 - 15% by 2020
 - 20% by 2030

Development of Renewable Energy:

- Slow
 - Lack of Financing
 - Allegations that it's too costly
 - Investment
 - Location
 - Efficiency of equipment
- But, RPS needs to be achieved;
- Consumers will pay either way!

Development Opportunities in PR

- Renewable Energy Developments in-process
 - Photovoltaic
 - Eolic
 - Biogas
- Alternate Energy (most likely to be implemented in the next few years):
 - Natural gas
 - Transition fuel to renewable energy
 - Waste to energy

Wind Power in the World

- “... goal isn’t to stage a renewable-energy revolution. This is about making money ...”
 - Gabriel Alonso, Chief Executive, Horizon Wind Energy LLC
 - “Wind Power Hits a Trough”; WSJ, April 5, 2011
- Currently facing a blow-back:
 - Electricity demand in mature economies;
 - Very low natural gas prices in the U.S.;
 - Uncertainty about government subsidies.

Development of Renewable Energy

- Public Policy:
 - Competitive market forces
 - Keeps the process slow.
- Alternate Policy:
 - Feed-In Tariff
 - Can serve to accelerate development.

EcoEléctrica LNG Terminal



Opportunities

- LNG storage;
 - 160,000 CBM above ground
- LNG transshipment port:
 - To Caribbean nations;



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