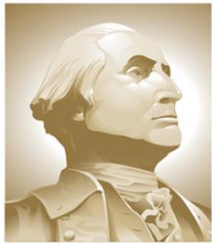


Overview

Caribbean Sustainable Energy Development Initiative



**THE GEORGE
WASHINGTON
UNIVERSITY**

WASHINGTON, DC



Organization of
American States

CHALLENGES

- Nearly 100% of Caribbean electricity generation and transportation is fueled by imported petroleum
- Environmental impacts of diesel generators and transportation fleets have negative effects on the environment and tourism
- Threat to grid stability from dependency on long fuel supply lines
- Small island grids make stability and reliability a challenge
- Some of the highest electricity prices in the world
- High levels of indebtedness
- Difficulties with PPA and leasing
- Small scale of projects makes financing access expensive
- Utility companies resistant to support large-scale introduction of renewable projects
- Limited public knowledge about renewable energy benefits

SOLUTION

GWU - GS/OAS Collaboration

Caribbean Sustainable Development Education & Training Initiative



PURPOSE

Design and deliver educational tools to advance the development and diffusion of sustainable energy options that promote a more diversified and resilient infrastructure in the Caribbean

Areas of Collaboration

Development of specialized and practical educational tools with and for educational institutions within the Caribbean



Greater utilization of distance and on-line learning opportunities; building island internships and employment opportunities

Consolidation of existing in-region business databases and catalogues of small and medium-sized Caribbean companies deploying and servicing sustainable energy technologies



Opportunities for Transition to Sustainable Energy

- **Costs of renewable energy, energy efficiency and technologies are decreasing, increasing the potential for cost savings in the Caribbean**
- **Renewable energy investments can:**
 - **Catalyze local employment and economic growth**
 - **Increase climate resiliency in energy infrastructure**
 - **Achieve NDCs with low-carbon energy development**
 - **Mobilize local development activities in a environmentally sustainable ways**

Opportunities for Investments in Local Education and Training

Transitioning to a more sustainable energy mix can be facilitated by improvements in:

- Technical skillsets
- Project finance
- Business models
- Regulatory and policy structures
- Value chains within energy markets

Potential Partners

- Inter-American Development Bank
- Caribbean Development Bank, SEEC Program
- UNEP/UNDP
- GEF
- Green Climate Fund
- UNFCCC
- United Arab Emirates Caribbean Renewable Energy Fund
- Rockefeller Foundation
- Energy Foundation
- Joyce Foundation
- Hewlett Foundation
- Caribbean Center for Renewable Energy and Energy Efficiency
- DOE International Office
- USAID Caribbean Clean Energy Program
- Canadian Climate Fund for the Private Sector in the Americas
- German International Cooperation - Renewable Energy and Energy Efficiency Technical Assistance Program
- Caribbean Electric Utility Services Corporation Renewable Energy Community
- Caribbean Community Climate Change Center
- Organisation of Eastern Caribbean States
- CARICOM Secretariat
- CARICOM Impacts
- Caribbean Policy Research Institute
- Global Island Partnership
- Clean Energy Solutions Center
- Caribbean Community Climate Change Centre
- Green Solutions
- Latin American Energy Organization
- Island Energy Program, Carbon War Room, Rocky Mountain Institute
- University of the West Indies
- Centro Agronómico Tropical de Investigación y Enseñanza
- UTECH Jamaica

Educating on balance, choice, benefits and impacts!



**Executive Secretariat for
Integral Development
Organization of American
States**



**Environmental and Energy
Management Institute
The George Washington
University**