



FOSTERING GROWTH IN ENERGY EFFICIENCY
AND RENEWABLE ENERGY



USAID
FROM THE AMERICAN PEOPLE

Caribbean Clean Energy Program

***Renewable Energy in the Caribbean:
Current Initiatives and Possible Synergies***

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What is USAID CARCEP?



US Government Assistance

- The **United States Agency for International Development (USAID)** designed the **Caribbean Clean Energy Program (CARCEP)** as a 5 year, \$14 million assistance program operating in 8 Caribbean countries
- Beneficiary nations: Jamaica as well as Antigua and Barbuda, Barbados, Dominica, Grenada, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines



What USAID CARCEP Does

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Caribbean Clean Energy Program



How We Work

Creating enabling environments and supporting regional efforts to transition to energy sources that are:

- ✓ Indigenous
- ✓ Economically & environmentally Sustainable
- ✓ and will enable the Caribbean to be globally competitive

- Task 1: Supporting **Legislative and Regulatory Reforms** in the Power Sector
- Task 2: Optimizing **Electricity Sector** Stability and Reliability
- Task 3: Attracting and Accelerating **Private Sector Investments**
- Task 4: Supporting the Adoption of **Energy Efficiency** in the Hotel and Tourism Sector
- Task 5: Leading Efforts to Collaborate with and **Coordinate Donor Activities** in the Region
- Task 6: **Technical Assistance** and Coordination Support within the **Caribbean Community (CARICOM)**



CARCEP Successes



\$91,414,840 USD; Amount of investment mobilized for clean energy as supported by USG assistance



4,584 metric tons CO₂e; Greenhouse gas emissions reduced, sequestered, or avoided through clean energy as supported by USG assistance



762,137 metric tons CO₂e; Projected greenhouse gas emissions reduced or avoided through 2030 from adopted laws, policies, regulation, or technologies related to clean energy as supported by USG assistance



13,624 GJ; Expected lifetime energy savings from energy efficiency and/or energy conservation as a result of USG assistance



CARCEP Experiences

Task 1, Legal & Regulatory Reforms:

- Three things needed:
 - Clear Policy
 - Enabling Laws
 - Roadmap with clear delineation of responsibilities
- Examples:
 - IRP planning in Barbados, Dominica, and Jamaica





CARCEP Experiences

Task 2, Optimizing Electric Sector:

- Treat the utility as a partner. Most are already implementing innovative RE/EE projects.
- Examples:
 - Jamaica Public Services' EV Work and Smart LED Lighting Project
 - Barbados Light & Power's Solar Plant in St Lucy





CARCEP Experiences

Task 3, Attracting the Private Sector:

- Create incentives for collaboration and mutual benefit. Get the private sector on board to help meet goals.
- Example:
 - Jamaica, Eight Rivers Project





CARCEP Experiences

Task 3, Attracting Private Sector (Cont'd):

- Mobilizing financing in RE/EE requires training. Skills certification is a soft spot in the Caribbean market.
- Case Examples:
 - CARCEP Certified Energy Manager (CEM) Training
 - CARCEP HEART Level 1 PV Installation CVQ

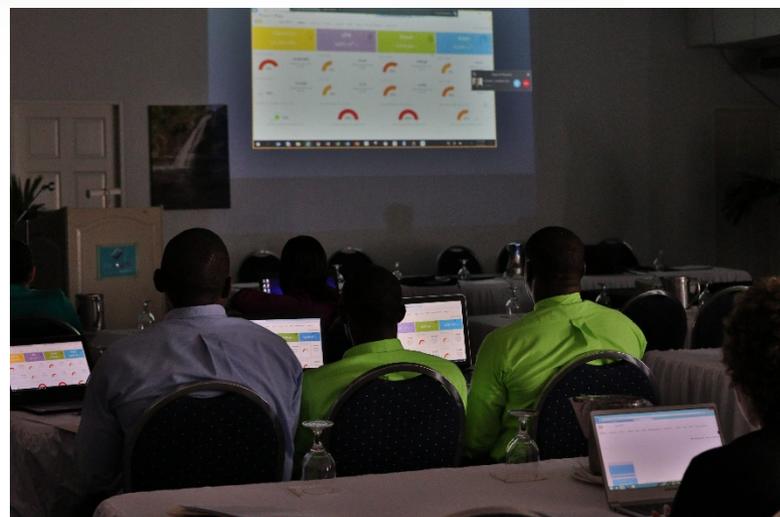




CARCEP Experiences

Task 4, Energy Efficiency in Tourism & Hotels:

- Benchmarking energy use encourages airports (or other entities) to be more efficient.
- Connecting like facilities allows them to see what projects worked.
- Case Example:
 - CARCEP's Energy Benchmarking Tool (EBT)

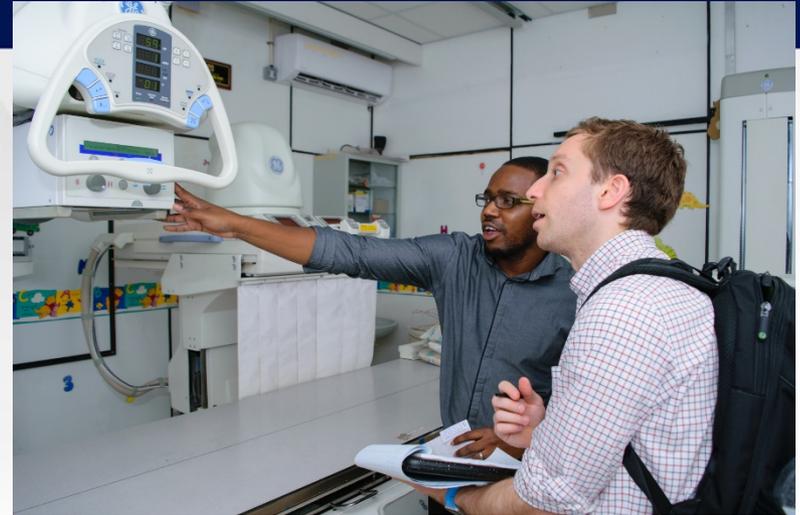




CARCEP Experiences

Tasks 5 & 6, Donor Coordination & Work with CARICOM:

- Get everyone in the same room
- Aggressively collaborate; be flexible and open
- Case Examples:
 - CARCEP and Pan-American Health Organization (PAHO) collaboration
 - CARCEP Electric Vehicle Pilot Study in Jamaica





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Thank You!

If you would like to learn more about this program we would like to hear from you.
Connect with us today!

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