HOW CAN CHENACT HELP BARBADOS HOTELS?

Hotel Clean Energy Training Workshop
Accra Beach Hotel, March 31, 2010
Loreto Duffy-Mayers, CHENACT Project Manager
Agenda

- What is CHENACT?
- Objective of CHENACT
- Who will benefit and How?
- Who Qualifies for CHENACT and how?
- What else is involved in CHENACT?
- What to expect and how to apply
What is CHENACT?

- CHENACT is a project financed by:
- IDB, GTZ, CDE, UNEP, BL&P, Government of Barbados, BHTA
- It is implemented via CTO by CHTA/CAST
- It runs Dec 2009 to October 2010.
Objective of CHENACT

To improve the competitiveness of small and medium sized hotels (<400 rooms) in the Caribbean Region through improved use of energy with the emphasis on Renewable Energy and Micro-Generation

The Pilot project is in Barbados
CHENACT Assistance to Hotels

- Detailed energy audits in 30 hotels in Barbados
- Walk Throughs assessments in 35 hotels in Barbados
- Detailed audits in 15-18 hotels in the OECS
- Detailed audits in 5 hotels in the Greater Caribbean Region
- ODS audits in all
What else will CHENACT Achieve?

- An Energy Efficiency Model for hotels in Barbados to be replicated throughout the Caribbean
- A Clean Energy Policy for the hotel sector in Barbados – to be replicated throughout the Caribbean
- A movement in the hotel sector in Barbados and the Caribbean towards greater Energy Efficiency (EE) and Micro-Generation (MG) through the use of Renewable Energies (RE)
Who will benefit?

- Member hotels of the CHTA
- In Barbados – all Members of the BHTA including Intimate Hotel members
- Non-members will also be allowed to participate – however they will be expected to join the Association or pay in full for the audits
Benefits to the Industry

- More efficient energy use in the Caribbean Hotel Sector
- Reduced energy costs to hotels
- Increased competitiveness in the hotel sector through lower Operating Costs
- Increased use of Renewable Energies
- Positive Environmental Impacts such as reduction of GHG’s and ODS
Benefits to the Industry

• Positive Environmental footprint will attract more environmentally aware consumers, incl. Tour Operators, i.e. Virgin
• MG will relieve pressure on current energy generation
• RE technologies will diversify the energy matrix
• Additional revenue may be generated from the sale of carbon emission reduction credits
Who qualifies for CHENACT?

- All hotels in Barbados, however preference will be given to BHTA/CHTA members
- Hotels who are interested in participating fully in the process
- Hotels willing to provide the required information
- Hotels willing to pay for the audits
Benefits to Participating Hotels

- Comprehensive report on energy usage in the hotel will be produced
- Analysis of where energy is being used and where wastage is occurring
- Recommendations on operational or technological changes required to maximize efficiency
- Will complement or enhance Green certification process
- A communication strategy will market the project and the participants
Detailed Audits

- 15 small hotels <50 rooms
- 10 medium hotels 50-100 rooms
- 10 Large Hotels 100+ rooms
- 5 of these will be outside Barbados

- Walk-throughs will be conducted in 35 hotels in Barbados
What is required from Hotels?

- Provision of accommodation, meals and internet access for 2 -3 auditors over 3 – 5 days
- Completion of a pre-audit data collection form
- Appointment of a Technical Point of Contact who to facilitate the audit team when on property
- Cooperation of Management and staff as required
- Permission to access utility information from BL&P
Data to be supplied by hotels

- Ownership/Management structure
- Key staff names/contacts
- Number of rooms, Facilities and amenities,
- Property and Major equipment type/age
- Recently completed audits/scope
- Recent environmental certification
- Property drawings including the property plan, elevations, floor plans and area of the property, etc
Data to be supplied by hotels

- Info on any planned and approved upgrades or expansion projects at the hotel facilities
- Utility usage for the last 2 years for
  - Electrical Energy
  - LPG / Natural Gas
  - Diesel Fuel
  - Water
- Occupancy rates for the last 2 years by
  - Guest Nights
  - Room Nights
  - Conference Attendance, if applicable
What to Expect?

- An opening meeting with the GM and other staff on the first day of the audit
- Auditors examining equipment, reviewing records and interviewing staff
- Auditors running tests, auditors working at night
- Closing meeting at the end of audit to highlight key recommendations
- An audit report once fee is paid
What will it cost?

- Each hotel will be asked to donate 10 winter room nights as a contribution towards the cost of the audit
- Accommodation, meals and internet access for the auditors
- Lunch for the walk through assessor
- Staff hours – Chief Engineer or maintenance manager and relevant operations staff.
Major Benefit to 3 hotels

- 3 hotels will be selected to participate in Demonstration projects.
- Approximately $40,000 worth of RE equipment will be installed in each of the selected hotels.
- The hotels will be selected on the basis of the results of the Energy Audits and with the assistance of the BL&P.
- The first 20 hotels to sign up for the detailed energy audits will be the ones considered.
What’s next?

• Sign up for CHENACT
• Complete the pre-audit data collection form
• Sign an MOA
• Pay in Room Nights
• Arrange time and date of audits
SO WHO WILL BE THE FIRST TO SIGN UP?????
Contact details for CHENACT

- Loreto Duffy–Mayers
- CHENACT Project Manager
- CHTA office, BHTA Building
- 4th Ave Belleville, St. Michael. Barbados
- Tel: 246-4350847
- Fax: 246-4350845
- Email: chenactproject@gmail.com
What else will the CHENACT do?

- An analysis of Caribbean ESCO’s (Energy Service Companies)
- An assessment of current status of Utility Companies in terms of purchasing power from Independent Power Producers (IPP’s)
- Current and future financing options and mechanisms, and future opportunities for funding investment in Renewable Energy in the hotel sector.
Continued

- A programmatic CDM in EE to explore the possibility of obtaining Carbon Credits
- **Compliance with the Montreal Protocol to phase out Ozone Depleting Substances (ODS)**
- An Application for concessional funds related to Green House Gas Emission reduction, for other similar projects
- **Further funds to expand the CHENACT**