



GEF-UNEP ENERGY FOR SUSTAINABLE DEVELOPMENT IN CARIBBEAN
BUILDINGS (ESD) PROJECT

Building Performance Assessment

Proposed methodology and consultation on
validation procedures, streamlining and assuring
project Impact

Introductory Session #7: 20 Aug 2014

Presenter: Tom Hamlin, UN DESA

AGENDA

11:45 AM EDT	Exploring Detailed Design
	Negative gap overhang
	Supermarket
	Hotel
1:00 PM EDT	Next Buildings – Supermarket? Hotel?
	Detailed Design introduction

eQUEST - Detailed Design Mode

- The Detailed Design mode and data edit modes were explored:
 - There is a lot of detail here and if needed, a course is available on line at www.energy-models.com or other sites on the web ~180 \$/month access
 - Data edit allowed dropping the overhang below top of the window for example

eQUEST Schematic Design for a Typical Large Hotel

- Accepted most defaults but dropped motor efficiencies and double glazing
- Note that the central chiller heat is rejected to a fluid and that the temperature and amount of heat is more than needed for water heating, therefore having a cooling water to water mains water heat exchanger will provide more than enough hot water for domestic water use in the hotel.

This is also a good technology for hospitals.

- We made an example of a custom drawn building footprint

Webinar Demonstration Types

- Gov't Office buildings
 - Greaaham Louisy St. Lucia
 - National Archives St. Vincent
 - MESTPU Belize
- Hospital
 - KHMH Belize
- Hotels
 - Typical Large Hotel Caribbean
- Supermarket/stores/strip malls
 - ?
- Restaurants
 - Jerk Chicken Palace Caribbean

Preparing for 8th session

- Do runs for your demo buildings and submit for review
- Discussion on use of tools for ESD
- Review of ESD Defaults