



Organization of American States

Presents

ENERGY AUDITING TRAINING OF TRAINERS SEMINAR



Date: 24th—27th August 2010



Venue: Coco Palm Hotel, St. Lucia

The workshop is targeting persons with engineering and/or electrical background (e.g. Energy Unit/Department Staff, Public Utility Staff, Engineering Program Students, etc.). After successfully completing the workshop, participants will become certified Energy Auditors and can provide training in the country of origin.

Presenters:	8:00 AM – 12:00 PM Training & Instruction		12:00 PM – 1:00 PM	1:00 PM – 5:00 PM Assessments & Calculations
	<p>Adam Warren, PhD Head of Regional Initiatives, NREL</p> <p>Otto Van Geet, PE, LEED, AP Senior Engineer, NREL</p> <p>Jesse Dean, CEM Engineer Integrated Applications Office NREL</p> <p>Kevin De Cuba, MSc Energy and Environmental Specialist OAS</p>	<p>Day 1</p> <p>Introduction Purpose of the training. Overview of the week (30 min) Energy Awareness (15 min) Energy Usage Data (20 min) Break (10 min) Safety (20 min) Metering (30 min) Fleet (15 min) Break (10 min) Operations and Maintenance (20 min) Low Bay Lighting (1 hr)</p>	Lunch	<p>High Bay Lighting (1 hr) Break (10 min) Hands-On Lighting System Assessments (1 hr) SERF and S&TF Daylighting System Tour (45 min) Break (10 min) Hands-On Energy Savings and Economics Analysis (1 hr) Review and Adjournment</p>
	<p>Day 2</p> <p>Renewable Energy Photovoltaics (1 hr) Solar Water Heating (30 min) Break (10 min) Solar Ventilation Preheat (5 min) Wind Energy (1 min) Break (10 min) Ground Source Heat Pumps (20 min) Biomass Heating and CHP (30 min) Ocean Energy (5 min)</p>	Lunch	<p>Water Conservation (30 min) Plug Loads (30 min) Break (10 min) Hands-On Rooftop Solar Analysis (30 min) S&TF Solar PV Tour (15 min) SERF Solar Ventilation Preheat Tour (15 min) Renewable Fuels Heating Plant Tour (20 min) Hands-On Energy Savings and Economics Analysis (1.5 hr) Review and Adjournment</p>	
	<p>Day 3</p> <p>HVAC Human Physiology (10 min) HVAC Systems (20 min) Cooling Systems (20 min) Control Systems (20 min) Break (10 min) HVAC System ECMs (20 min) Heating System ECMs (20 min) Domestic Hot Water ECMs (15 min) Break (10 min) Cooling System ECMs (30 min) Control System ECMs (30 min) Motors (15 min)</p>	Lunch	<p>Retro-Commissioning Intro (1 hr) Retro-Commissioning ECMs (1 hr) High Performance Buildings Research (30 min) Hands-On Walkthroughs Break (10 minutes) Hands-On Data Input Review and Adjournment</p>	
	<p>Day 4</p> <p>Building Envelope (30 min) eQUEST Energy Modeling Wizard Mode Q/A (30 min) Break (10 mins) Building Envelope (20 min) Lighting Systems (20 min) Plug Loads (20 min) Break (10 mins) Packaged HVAC Systems (20 min) Central Cooling Plants (30 min) Central Heating Plants (30 min)</p>	Lunch	<p>Hands-On Walkthroughs (45 min) Break (10 mins) Hands-On Data Input Q/A (1-3 hr) Review and Adjournment Generating the Report Report Template & Guidance Break Report Writing and Q&A Break Report Writing and Q&A Financing Options Measurement & Verification</p>	

REQUIREMENTS:

- A laptop computer (it is ok if you are sharing)
- A calculator
- A notebook and pencil/ pen (a highlighter if you choose)
- Ensure that you have Microsoft Excel and Word loaded onto your laptop as well as the eQUEST software (To download this program for free, go to website <http://www.doe2.com/equest/>. The download is at the bottom of the page where it says 'eQUEST version 3.63b').
- There is no formal dress code. Overalls, work uniforms, khakis or jeans and a collared shirt are ok

ACCOMMODATION:

Coco Palm Hotel—Call 1-758-456-2800 or email reservations@coco-resorts.com to make reservations

- Rates: Garden View rooms @ \$95 +18% tax & service charge
Pool View rooms @ \$105 +18% tax & service charge
Full breakfast @ \$16.50 +10% service charge
Continental Breakfast @ \$8 +10% service charge

REGISTRATION FEE: US\$220.00

FOR REGISTRATION PLEASE CONTACT:

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