

Home Energy Survey Professional (HESP) Training Program Trainee Information and Scholarship Application

An Initiative of the Sustainable Living Institute of Maui (SLIM)
University of Hawaii-Maui College

And

VITEC – Workforce Development & Continuing Education
University of Hawaii-Maui College
May 16-21, 2011

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SECTION 1: HESP Trainee Information

What is the HESP Certification Training Program?

John Bendon of Green Building LLC will be instructing the next Home Energy Survey Professional (HESP) Training Program (formerly Small Business and Residential Energy Management). The Hawaii Clean Energy Initiative calls for dramatic increases in energy efficiency in upcoming years. Jump into the exciting, fast growing field of improved energy performance and residential energy audits. This class will provide participants with training in energy efficiency and building science and will prepare them to take the nationally recognized RESNET Home Energy Survey Professional test. Participants will gain hands on experience using state of the art building performance equipment and will leave with an understanding of appropriate technologies and strategies for improved energy performance in Hawaii. Topics include: building envelope features and performance, mechanical equipment types, renewable energy uses, appliance and lighting characteristics, etc. This course is appropriate for contractors, architects, inspectors, or anyone looking to pursue a career in an emerging industry in Hawaii.

Eligibility

- Individuals employed by or seeking employment with organizations that provide energy management services to commercial businesses
- Independent contractors and entrepreneurs who provide or seek to provide energy management services to commercial businesses.
- Independent contractors and entrepreneurs looking to expand their skills and knowledge base of energy management.
- Have not yet participated in a free training certification program through SLIM

Program Participant Benefits

- Free of charge due to grant to support workforce development
- Preparation for RESNET Home Energy Survey Professional test
- Highly personalized attention to the unique training needs of each participant
- Excellent professional development opportunity and development of skills in current energy management best practices

HESP Certification Training Program Hours

- Total Program Hours: 48
- A 4 day training schedule with classes from 8:00am – 5:00pm
- **May 16-21**

Certificate of Completion

Upon successful completion of all of the HESP components, participants will then be recognized and awarded a certificate of completion by the University of Hawaii-Maui College for their successful completion of the HESP and will be given the RESNET Home Energy Survey Professional test on the last day of class.

HESP Training Program Objectives:

- Basics of heat transfer concepts
- Basics of building performance testing
- Basics of air distribution leakage
- Calculating gross and net areas
- Definitions/energy terminology
- Basic combustion appliance concerns
- Basics of envelope leakage, thermal bypass, thermal bridging
- Determining envelope insulation
- Presence/absence of insulation and when observable, the quality of its installation
- Recommended levels of insulation by climate zone
- HVAC - determining equipment efficiencies from model numbers or default tables
- Household appliances - determine efficiency from model numbers or vintage
- Energy units
- Measuring building dimensions
- Identification and documentation of energy survey inspected features of the home
- Basics of specifications
- Determining window and door efficiency
- Determining building orientation and shading characteristics
- Defining the thermal boundaries

How to Apply?

- Scholarship application forms can be turned in directly to:
 1. Sustainable Living Institute of Maui
UH Maui College
310 Kaahumanu Ave., Kupa'a #201
Kahului, Hawaii 96732
 2. OR faxed to SLIM at (808) 984-3546
- For further information, contact Jennifer Chirico at SLIM (808) 984-3379

**DEADLINE FOR RECEIPT OF SCHOLARSHIP APPLICATION
FORMS VIA FAX OR SNAIL MAIL IS TUESDAY, APRIL 1, 2011**

SECTION 2: HESP Participant Scholarship Application

Personal Information

First Name:

Last Name:

Home Address:

City:

State:

Zip:

Home Phone:

Cell Phone:

Emergency Contact:

Email:

Best times to reach you by phone:

Work Experience

Employer	Position/Title	Supervisor (Name and Phone)	Dates	Reason for Leaving

Education

	School	Dates	Degree/Diploma/ Certification
Certifications			
High School			
College/University			

Additional Information

Please describe your knowledge, skills, and abilities and any prior training or on-the-job experience you have acquired in an energy-related field.

Briefly tell us why are you interested in this training program?

Upon reviewing the commitment of time and effort involved in this program, can you participate fully in **ALL** HESP classes and homework projects? Yes/No (If no, please explain)

HAVE YOU EVER BEEN CONVICTED OF A CRIME? No Yes

If yes, explain number of conviction(s), nature of offense(s) leading to conviction(s), how recently such offense(s) was/were committed, sentence(s) imposed, and type(s) of rehabilitation.

Name: _____

Signature: _____

Date: _____

*Present Employer's Signature: _____

Company _____

Please make two copies of this application. Retain one for your records and send the other to SLIM:

Sustainable Living Institute of Maui
UH Maui College
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Kahului, Hawaii 96732

OR fax to SLIM at (808) 984-3546