

Training Your Employees for Sustainability



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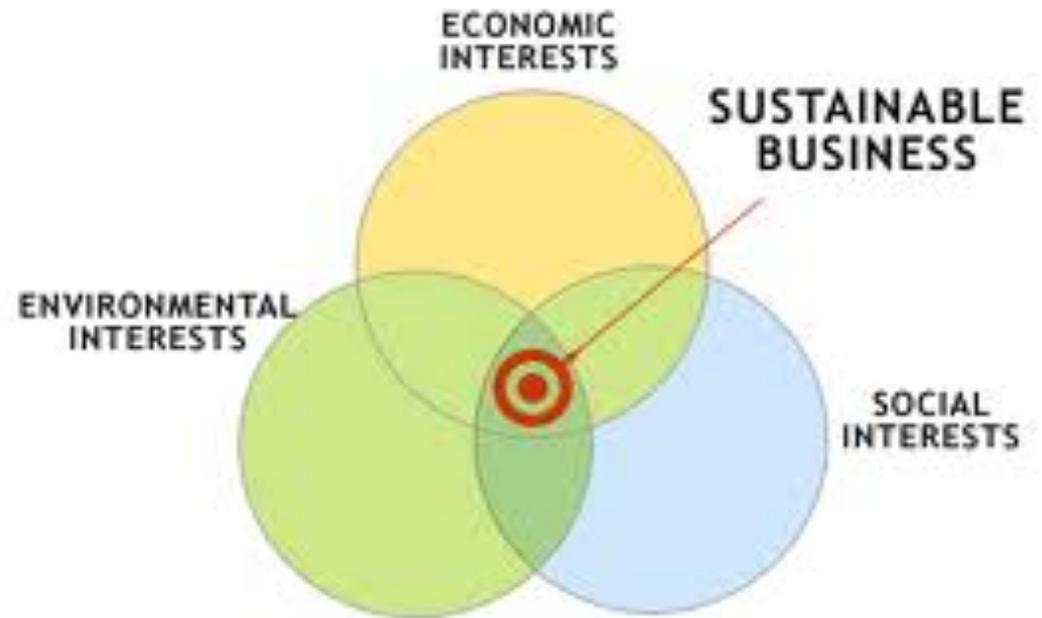
Board Member, Sustainability Association of Hawaii

Hawaii Build and Buy Green Conference, 2012



Why is it important to train your employees in sustainability?

- Transition to “green”
- Sustainability training certifications:
 - Establish a standard of professional competence
 - Foster professional development, long-term career goals
 - Promotes quality, high level of competence



SESP Business Survey Results

- 94% of 124 businesses surveyed made money-saving sustainable practice changes:
 - 83% in Recycling
 - 81% in Water Conservation
 - 80% in Lighting
 - 56% in Air conditioning and Ventilation
 - 21% in PV installation
 - 19% in Solar hot water
- 33 reporting savings of over \$1.4 million

SESP Business Survey Results

- Improvements businesses would like to make
 - 70% water conservation
 - 60% recycling
 - 56% PV
 - 46% energy management
- 64% interested in having a sustainability assessment
- 58% would like intern from sustainability classes

Hawai'i Green Workforce Projections

- Green Jobs to grow by 26% from 2010-2012

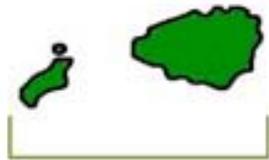
--Hawaii's Green Workforce

- Energy efficiency provisions will create an additional 2,100 new jobs in the State of Hawai'i in the next 10 years

--American Council for an Energy Efficient Economy (ACEEE)



Hawaii Green Workforce Report



Kauai County

460 Green Jobs
1.9% of County Jobs

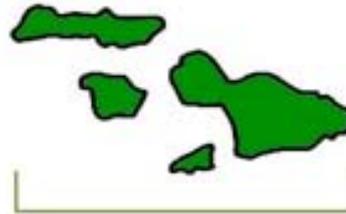
71 Additional Green Jobs
by 2012



Honolulu County

6,866 Green Jobs
2.0% of County Jobs

1,885 Additional Green Jobs
by 2012



Maui County

2,597 Green Jobs
4.6% of County Jobs

437 Additional Green Jobs
by 2012



Hawaii County

1,222 Green Jobs
2.5% of County Jobs

510 Additional Green Jobs
by 2012

State of Hawaii Total

11,145 Green Jobs
2.4% of Private Employment

2,903 Additional Green Jobs by 2012

Source: *Hawaii's Green Workforce: A Baseline Assessment*, December 2010 (Department of Labor and Industrial Relations)

Establishing Training Partnerships



Where can I get trained?



Honolulu Community College



Leeward Community College



UH Maui College



Hawaii Community College



Kauai Community College



University of Hawaii at Manoa

Community colleges and trade schools fulfill 62%

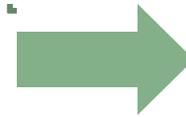
--Source: *Hawaii's Green Workforce: A Baseline Assessment*, December, 2010



Energy Training Focus Areas

▶ Focus Areas

- Energy Efficiency
- Renewable Energy
- Water Efficiency
- Business
- Waste



• Target students

- Unemployed
- Low employment
- Current students
- Needs updated skills

www.sesphawaii.org



State Energy Sector Partnership & Job Training Program
Hawaii Workforce Development Council

PART OF THE **hawai'i green jobs initiative**

Find us on **facebook**



WORKFORCE DEVELOPMENT COUNCIL

Like |  |  | Send

Welcome to SESP Hawaii

Are you interested in training in one of Hawaii's green sectors? Do you need to upgrade your skills to advance in a green occupation? Would you like to be a part of Hawaii's clean energy movement?

No matter who you are or what your schedule, there are green job training programs for you. Many are offered through the University of Hawaii Community College system; others are offered by private training providers. In both cases, full scholarships are available for qualified applicants to attend these programs absolutely free.

Click on the statement that best describes you:



Take a Training Course

Scholarship Eligibility

For Employers

For Sub-Recipients

For Prospective Training Providers

What is SESP?

What is the WDC?

Sustainability Partners

www.sesphawaii.org

SESP



State Energy Sector Partnership & Job Training Program
Hawaii Workforce Development Council

PART OF THE **hawai'i green jobs initiative**

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WORKFORCE DEVELOPMENT
COUNCIL

Take a Training Course

Scholarship Eligibility

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For Sub-Recipients

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Training Providers

What is SESP?

What is the WDC?

Training Programs Available Now

Select where you'd like to look for available training programs.

Oahu

Hawai'i (Big Island)

Maui

Kaua'i

I'd like to take a course online.

Building Operator Certification (BOC)

- ▶ Nationally recognized energy commercial energy auditing
- ▶ Licensed by the Northwest Energy Efficiency Council (NEEC)
- ▶ EPA named NEEC as winner of 2012 ENERGY STAR Award for Excellence for BOC® program
- ▶ Average student saves average company \$20K per year
- ▶ Available at Maui College and UH Outreach

“Since receiving my certification, I've been able to "speak the language" of sustainable and energy-efficient building practices and systems more readily, which has translated into being more effective in my communications with clients, vendors, subcontractors and colleagues. It's no longer difficult to convince others to make informed decisions now that I have been better informed myself.”



Home Energy Survey Professional

- ▶ Designation for level 1 home or small business audits
- ▶ Train participants in the basics of building science and energy management
- ▶ Selected because no specialty equipment is needed to perform audit tasks
- ▶ Available through SESP on all islands and KUPU on Oahu



RESNET
Setting the Standards for Quality



Green Building and LEED

- ▶ 2-4 day trainings that provide participants with a stronger base in the field before taking the LEED GA exam preparation class
- ▶ Covers basic green building and energy efficiency concepts
- ▶ All islands, including Lanai and Molokai



Renewable Energy - PV



Renewable Energy Training Programs

- Advanced Photovoltaic
- PV Technical Sales
- Solar Hot Water
- NABCEP Exams
- NABCEP
- Small Wind Energy Program



Water Efficiency Training

WaterSense Inspector Training



Sustainable Business Programs



PACIFIC CENTER FOR ADVANCED TECHNOLOGY TRAINING

PCATT

 **EdVenture**
UH MAUI COLLEGE


SESP


Sustainable Living
INSTITUTE OF MAUI
www.sustainablemaui.org


UNIVERSITY OF HAWAII
MAUI COLLEGE

Hawaii Energy



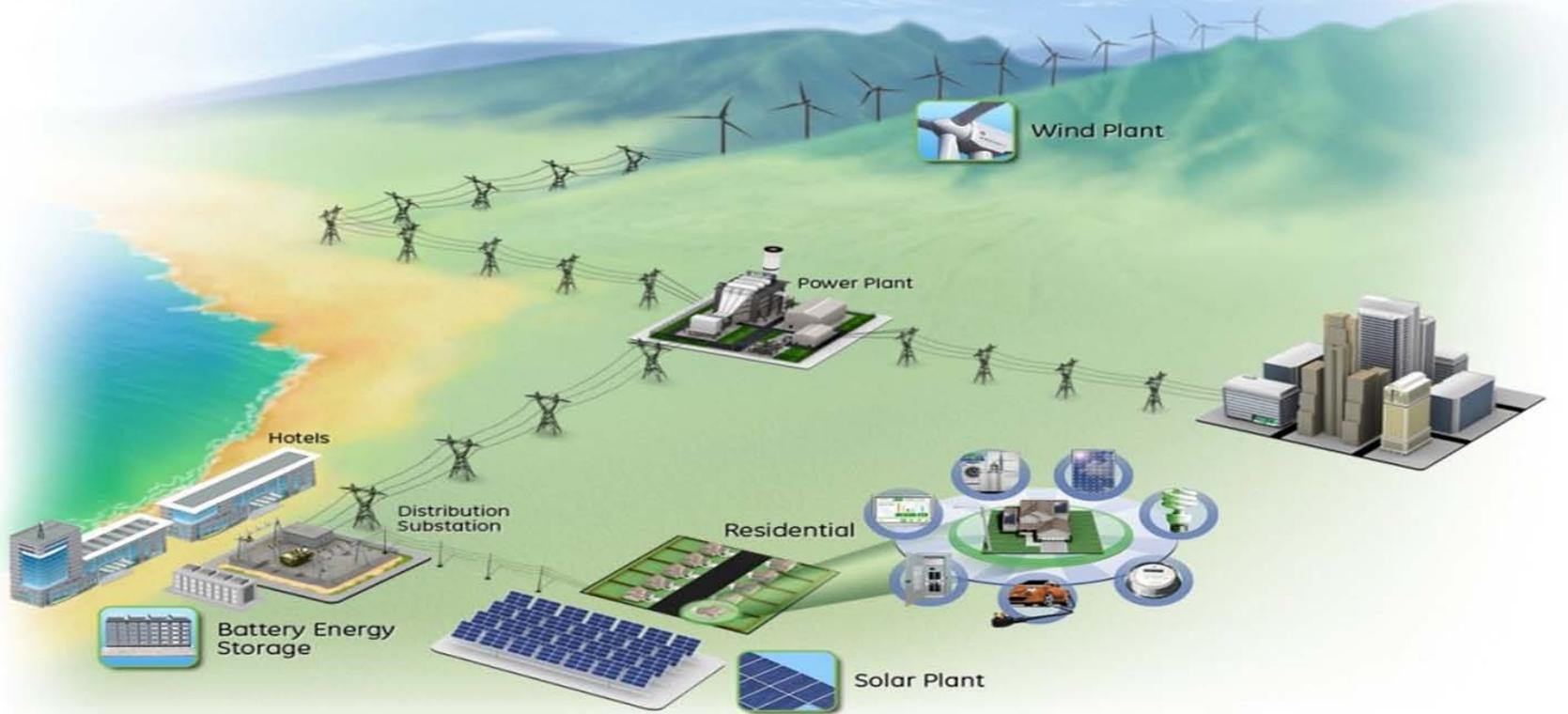
- Association of Energy Engineers (AEE)
 - Certified Energy Manager (CEM)
- “Learning to S.E.E. (Sell Efficiency Effectively)™”
- “Energy Efficiency’s Role in Your Sustainability Agenda”
- “Benchmarking Your Commercial Building and What’s Next”
- See <http://www.eefg.com/training-events> for more info

maui eva

MAUI ELECTRIC VEHICLE ALLIANCE



Smart Grid Training



KUPU – Youth Energy Assessment Hawaii



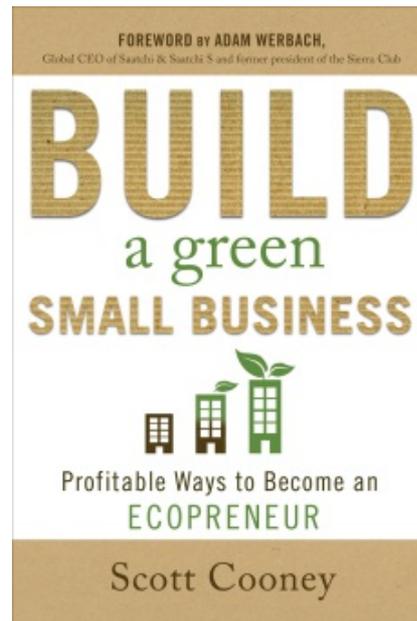
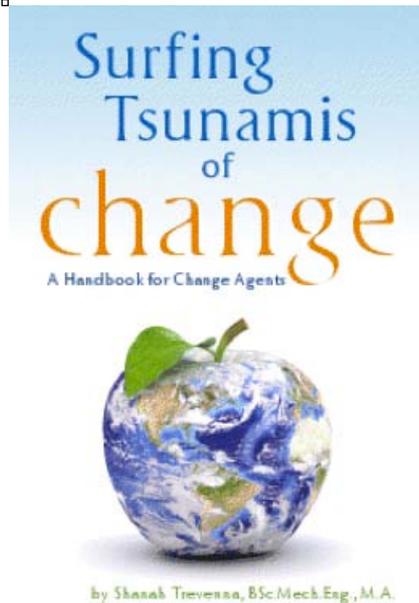
KUPU



- On O’ ahu, homes that have signed up for the Hawaii Energy Study (HES) are selected for a home assessment
- Auditors completed the RESNET Home Energy Survey Professional training
- Partners on the HES are committed to bettering our local communities through this collaborative effort to ‘reducing Hawaii’ s energy consumption by making energy efficiency and energy conservation solutions more accessible and actionable.’



Sustainability Workshop for Business Leaders in Hawaii



- Sustainability 101 for business
- Engaging the green workforce
- Energy, water, and waste saving techniques for business
- Communications for sustainability

Workshops summer 2012

www.GBOGroup.com



How to Register

- Register for classes at the University of Hawaii colleges: www.sesphawaii.org
 - **Honolulu Community College:** Preshess Willets-Vaquilar, (808) 845-9407
 - **Kapiolani Community College:** Carol Hoshiko, (808) 734-9568
 - **Leeward Community College:** Michael Moser, (808) 455-0470
 - **Windward Community College:** Jane Uyetake, (808) 235-7433
 - **Maui College:** Jennifer Chirico, (808) 984-3379
 - **Kauai Community College:** Tracy Hirano, (808) 245-8351
 - **Hawaii Community College:** Tony Kent, (808) 934-2700
- Hawaii Energy: <http://www.eefg.com/training-events>
- Sustainable Business Workshops: www.GBOGroup.com

Green Workforce Future

- Growing
- Identifying gaps
- Developing policy
- Transition to “green”
- Local workforce



Mahalo!

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