



# ARRA Workshop Supporting the Aloha State to "Go Green"

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*Imagine*



*Create*

Drivers  
Building Sectors  
My \$0.02

## Federal Government

- LEED Silver Requirement for Public and Military Buildings
- Higher Energy Efficiencies

## Local Government

- LEED Silver Requirement for Public State and County Buildings
- Renewable Energy Goals

## Building Code Changes

- International Energy Conservation Code – IECC 2006

- Federal Building Projects
  - Federal Office Buildings
- State and County Building Projects
  - Schools
- Privatized Residential Military Housing
  - Design-Built to ENERGY STAR Standard
  - Constant Improvement on Energy Efficiency
  - LEED for Homes Projects
  - Future Renovation of Legacy Housing

# My \$0.02 – Green Jobs = Green Building



- Experience in Green Building
  - ENERGY STAR Homes
  - LEED for Homes
  - LEED for New Construction
- Designer
  - Green Building is driven by design
  - Most Green Building training is for designers
- Contractor
  - Some Green Building training is done for contractors doing LEED projects

- Subcontractor – Trade Labor
  - Little to no training in Green Building
  - Follow directions of contractor
  - Greatest impact on material resources and building performance

- Quality Control - Inspectors
  - Little to no training in Green Building
  - Little to no knowledge of Green Rating Systems

- Trade Labor Green Training
  - **Civil subcontractors** are competent in soil erosion protection, stormwater runoff strategies and top soil protection
  - **Plumbers** with knowledge of water efficient plumbing fixtures, non-toxic materials and efficient use of material resources (less construction waste)
  - **Mechanical** installers that make air ducts airtight, properly insulated; and understand the relationship between energy efficient ducting and fan power consumption
  - **Electricians** that understand energy efficiency and efficient use of resources

- More Trade Labor Green Training
  - **Insulators** that understand and can install insulation to meet energy efficiency standards
  - **Building envelope installers** that understand and can meet energy efficiency standards
  - **Drywall subcontractors** that take responsibility for reducing the 30% of construction waste generated on a construction project
  - **Painters** that know how to use non-toxic low VOC paints and adhesives
  - **Tilers** that use non-toxic low VOC adhesives and materials

# Mahalo!



Green Job training is needed. Knowing how to build energy efficient, water efficient, healthy and productive buildings is necessary to our sustainability. Green Building is economically prudent, enhances society and helps preserve the environment for our grandchildren's grandchildren.