


**County of Kaua'i  
Office of Economic Development**




**Green Jobs  
and  
Kaua'i's Economy**

**County of Kauai  
&  
Office of Economic Development**


**Committed to working with private industries, government agencies and non-profit organizations in the creation and promotion of “green job” opportunities on the Garden Island**

A stylized silhouette of a mountain range in shades of teal, located at the bottom right of the slide.

- ◆ The term “green” means different things to different people
  - ◆ **GREEN** Jobs Hawai’i
  - ◆ Clean-Energy Jobs
  - ◆ **GREEN-Collar** Jobs
  - ◆ The **BLUE** Economy
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- A stylized silhouette of a mountain range in shades of teal, located in the bottom right corner of the slide.

**What are “Green Jobs?”**

The background is a solid teal color. At the bottom right corner, there is a stylized silhouette of a mountain range in a slightly darker shade of teal.

- ◆ **"G"**enerate Clean, Renewable, Sustainable Energy
  - ◆ **"R"**educe Pollution and Waste; Conserve Our Natural Resources; Recycle
  - ◆ **"E"**nergy Efficiency
  - ◆ **"E"**ducation, Training and Support of Green Workforce
  - ◆ **"N"**atural, Sustainable, Environmentally-Friendly Production
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- ◆ **"G"enerate Clean, Renewable, Sustainable Energy**

- ◆ To produce, transmit, and store clean, renewable power safely and sustainably from solar, wind, hydro, geothermal, ocean, and small-scale biopower sources.

**Examples:**

- ◆ Electricians
- ◆ Electrical engineers
- ◆ Plumbers
- ◆ To install solar energy systems

- ◆ **"R"educate Pollution and Waste; Conserve Our Natural Resources; Recycle**
- ◆ **To manage water and other natural resources. Prevent and control pollution. Treat water and remediate waste.**

### **Examples:**

- ◆ **Trained workers remove hazardous materials**
- ◆ **Workers monitor air quality**

- ◆ **"E"nergy Efficiency**

- ◆ To Reduce energy use. Produce or install energy-efficient products. Provide energy-efficiency services. Retrofit, weatherize, or improve efficiency in buildings. Improve energy distribution (smart grid) and transportation.

**Examples:**

- ◆ Engineers develop lighting and other products that lower and monitor energy use while electricians and others install them.

- ◆ **“E”ducation, Training and Support of Green Workforce**
- ◆ Provide services to the other four green areas. Help develop our green workforce.

### Examples:

- ◆ Teachers train workers for the clean energy economy; legal services; environmental consultants.

- ◆ **“N”atural, Sustainable, Environmentally-Friendly Production**


- ◆ Reduce harmful environmental impacts of products and processes by use of natural or recycled materials or develop alternative products and methods. Use less energy to make products.

- ◆ Examples:

- ◆ Construction workers install green building materials; plumbers and technicians install smart irrigation systems; organic farmers grow crops without synthetic pesticides; chemists or product designers and engineers produce less caustic cleaning products and biodegradable products.

# What are "Green Jobs?"

## Core Values that identify Green Jobs

- ◆ Energy Efficiency
  - ◆ Green building
  - ◆ Sustainable Design
  - ◆ Environmental protection and preservation
  - ◆ Organic and recycled products
  - ◆ Renewable Energy
  - ◆ Sustainable business practices
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- A decorative graphic at the bottom right of the slide, consisting of a silhouette of a mountain range in shades of teal and light blue.

## Where are today's green jobs?

These are also referred to as "green-collar" and "clean energy" jobs

Examples found in private sector industries, non-profit and government agencies:

# Where are "Green Jobs?"

## Renewable Energy

- ◆ Chemists
- ◆ Construction Managers
- ◆ Electrical & Electronics Repairers
- ◆ Electricians & Helpers
- ◆ Heating, Air Conditioning & Refrigeration Mechanics & Installers
- ◆ Plumbers, Pipefitters & Steamfitters
- ◆ Power Plant Operators
- ◆ Sheet Metal Workers
- ◆ Structural Iron & Steel Workers
- ◆ Welders, Cutters, Solderers & Brazers

# Where are "Green Jobs?"

## Energy Efficiency

- ◆ Computer Specialists
- ◆ Drafters, Engineering & Mapping Technicians
- ◆ Electrical Engineers
- ◆ Electricians & Helpers
- ◆ Engineers
- ◆ Metal Workers & Plastic Workers
- ◆ Petroleum Pump System Operators, Refinery Operators & Gaugers
- ◆ Power Plant Operators


# Where are "Green Jobs?"

## Agriculture & Food-related Industry

- ◆ Agricultural Workers - Sustainable and Organic Ag
- ◆ Agricultural Inspectors
- ◆ Biotechnology and life sciences
- ◆ Pesticide services – natural & organic


# Where are "Green Jobs?"

## Transportation

- ◆ Public Transportation
  - ◆ Alternative fuel vehicles and related industries
  - ◆ Bicycle related industries
  - ◆ Alternative fuels, including bio fuels
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# Where are "Green Jobs?"

## Environment

- ◆ Environmental Services
  - ◆ Landscaping & habitat restoration
  - ◆ Recycling & salvage industries
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- A decorative graphic at the bottom right of the slide, consisting of a silhouette of a mountain range in various shades of teal, extending from the right edge towards the center.

Where are "Green Jobs?"

## Construction

- ◆ Green Building – sustainable design & energy efficiency industries

Where are "Green Jobs?"

## Visitor Industry

- ◆ Ecotourism

# Where are "Green Jobs?"

## Other Industries

- ◆ Clothing & accessories – organic & recycled materials
- ◆ Legal services – environmental regulatory & land use law
- ◆ Printing & publishing
- ◆ Socially responsible investing (SRI)

- ◆ “A green-collar job, is a blue-collar job, upgraded to better respect the environment”
- ◆ Like blue-collar jobs, many green-collar positions do not require a college or graduate degree. Rather, some additional technical skills and job training may be enough to “green” a trade.

# Education & Training

- ◆ State of Hawaii - Department of Education
- ◆ Kauai Community College
- ◆ Workforce Development
- ◆ Private Sector

# Education & Training

## Kauai Community College Energy Efficiency

- ◆ Certificate of Completion
- ◆ Energy Management Training Program
  - Residential & Small Business Track
  - Commercial Track
- ◆ Facility Engineering Program

# Education & Training

## Kauai Community College Renewable Energy

- ◆ Certificate of Completion
- ◆ Photovoltaic Energy Training Program  
Residential & Small Business Track  
Commercial Track
- ◆ Process Technician Program

**OFFICE  
OF  
ECONOMIC DEVELOPMENT**

**GREEN JOB INITIATIVES**



# County Initiatives for Green Jobs

## Energy

- ◆ **Kaua'i Energy Sustainability Plan**
- ◆ **County Energy Efficiency Performance Contract**
- ◆ **Civic Center PV system**
- ◆ **Kaiakea Fire Station PV system**
- ◆ **Police / Civil Defense Bldg PV system**
- ◆ **County Facilities EV Charging Stations**

# County Initiatives for Green Jobs

## Agriculture

- ◆ Kīlauea Agricultural Park
- ◆ “Kaua’i Grown” Branding & Marketing Campaign
- ◆ Livestock Slaughter, Chill & Processing Facility

# County Initiatives for Green Jobs

## Film

- ◆ Pirates of the Caribbean (Disney) – Environmental Steward

# County Initiatives for Green Jobs

## Tourism

- ◆ Agricultural Tourism Ordinance

# County Initiatives for Green Jobs

## Workforce

- ◆ State Energy Sector Partnership (SESP) Grant
- ◆ Provide training, job placement, and related activities that reflect a comprehensive statewide Energy Sector Strategy
- ◆ SESP will oversee and enhance the operations of Local Project Teams. Industries of focus include energy efficient building construction, renewable energy, energy efficient and advanced drive train vehicles, biofuels, deconstruction and materials, energy efficiency assessment, and environmentally sustainable manufacturing.

# County Initiatives for Green Jobs

## Workforce

- ◆ State Energy Sector Partnership (SESP) Grant
- ◆ \$190M ARRA Program
- ◆ Award Amount: \$2M - \$6M
- ◆ Hawai'i Award: \$6M
- ◆ Only 1 of 13 states to receive full \$6M

# County Initiatives for Green Jobs

## Workforce

- ◆ State Energy Sector Partnership (SESP) Grant
- ◆ Project Teams and Partnerships include:
  - ◆ Local Workforce Investment Board
  - ◆ Economic Development
  - ◆ Business
  - ◆ Community Colleges

# County Initiatives for Green Jobs

## Workforce

- ◆ State Energy Sector Partnership (SESP) Grant
- ◆ Address the needs of employers – by focusing intensively on the workforce needs of a specific industry sector within a region often concentrating on a specific occupation or set of occupations within that industry
- ◆ Address the needs of workers – by creating formal career paths to good jobs, reducing barriers to employment, and sustaining or increasing middle class jobs

# County Initiatives for Green Jobs

## Workforce

- ◆ State Energy Sector Partnership (SESP) Grant
- ◆ Bolster regional economic competitiveness – by engaging economic development experts in workforce issues and aligning education, economic, and workforce development planning
- ◆ Engage a broader array of key stakeholders – through partnerships organized by workforce intermediaries
- ◆ Promote systemic change – that achieves ongoing benefits for the industry, workers, and community.

# Hawai'i Green Jobs Survey

[www.GreenJobsHawaii.org](http://www.GreenJobsHawaii.org)

*Mahalo!*

