

# HAWAI'I GREEN JOBS INITIATIVE



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## WHAT IS A GREEN JOB ?

### Hawai'i's Definition

Jobs that engage in economic activity that makes a positive impact on the environment or energy sustainability, either on a full- or part-time basis

### BLS Definition

- A. Jobs in businesses that produce goods or provide services that benefit the environment or conserve natural resources.
- B. Jobs in which workers duties involve making their establishment's production processes more environmentally friendly or use fewer natural resources.

### Five core green areas:

- Generate clean, renewable, sustainable energy
- Reduce pollution and waste; conserve natural resources; recycle
- Energy efficiency
- Education, training, and support of a green workforce
- Natural, environmental-friendly production



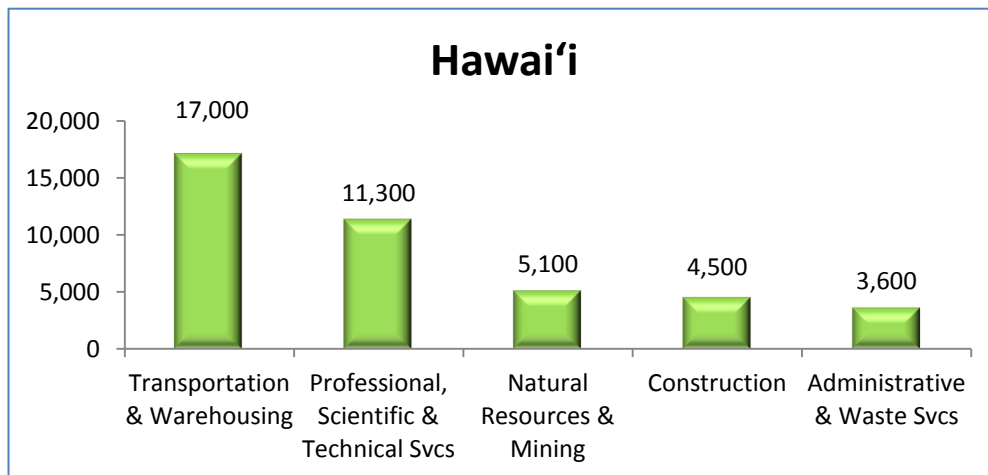
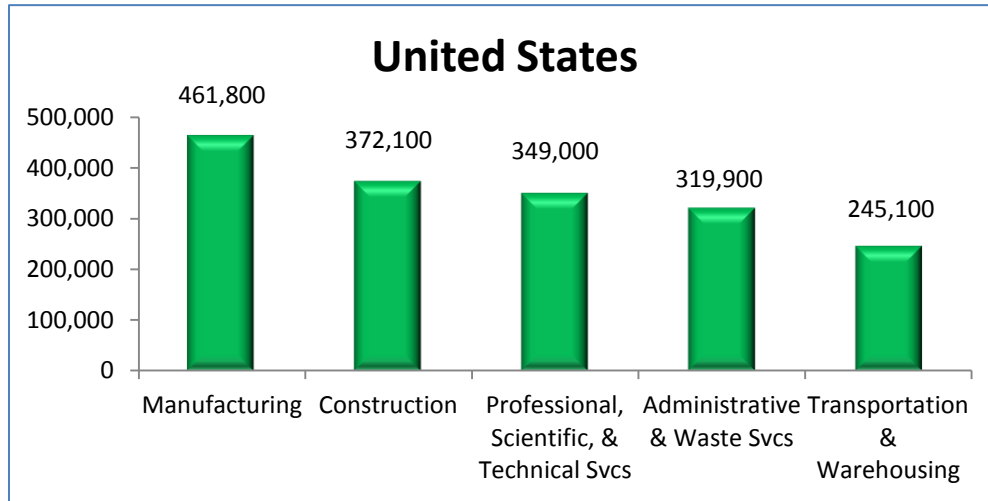
## HAWAI'I GREEN WORKFORCE – BASELINE REPORT

### Summary of Hawai'i's Green Workforce:

- In 2010, green jobs in Hawai'i's private sector were estimated at 11,145, accounting for 2.4 percent of total private employment.
- Green job vacancies were estimated at 670, which represented 1.5 percent of Hawai'i's total unemployment.
- Between 2010 and 2012, employer worksites projected the number of green jobs to increase by **26 percent** to 14,048, accounting for 2.9 percent of total employment.
- Community colleges and trade schools fulfilled 62 percent of the education and training requirements for the reported green jobs.
- Businesses report an average of 3.5 green practices per worksite.



## Green Goods & Services Employment, 2010



Four of the top five industries employing the greatest number of green workers in the United States and Hawai'i were the same. These include:

- construction;
- professional, scientific, and technical services
- administrative and waste services, and
- transportation and warehousing

Hawaii tied for 12<sup>th</sup> place in the percentage of green jobs nationwide.



*Department of Labor and Industrial Relations*

# **hawai'i green jobs initiative**



## ***MANAGING EXPECTATIONS***



## HAWAII'S GREEN JOBS

Industry Growth in Green Jobs								
Industry	Green Jobs Employment					Long Term Projections		
	High Growth Scenario		Low Growth Scenario		Employment		Annual Percent Change	
	2010	2018	Annual Percent Change	2018	Annual Percent Change	2008		2018
Agriculture, Forestry, Fishing, & Hunting	278	1,129	38.3%	485	9.3%	6,730	6,580	-0.2%
Construction & Mining	3,330	9,450	23.0%	5,538	8.3%	37,800	40,700	0.8%
Manufacturing	347	529	6.6%	398	1.8%	14,860	14,650	-0.1%
Transportation, Warehousing, & Utilities**	389	425	1.2%	475	2.8%	26,690	29,640	1.1%
Retail & Wholesale Trade	1,494	2,186	5.8%	1,761	2.2%	88,500	93,330	0.5%
Finance, Insurance, & Real Estate	98	*	*	*	*	29,320	29,990	0.2%
Health Care & Social Assistance Services**	183	272	6.1%	226	2.9%	64,390	76,890	1.9%
Accommodations & Food Services	174	611	31.4%	299	9.0%	95,280	98,850	0.4%
Other Services	4,854	8,347	9.0%	6,359	3.9%	25,230	27,510	0.9%
<b>Total Private Industry</b>	<b>11,145</b>	<b>22,766</b>	<b>13.0%</b>	<b>14,253</b>	<b>3.5%</b>	<b>388,800</b>	<b>418,410</b>	<b>0.8%</b>

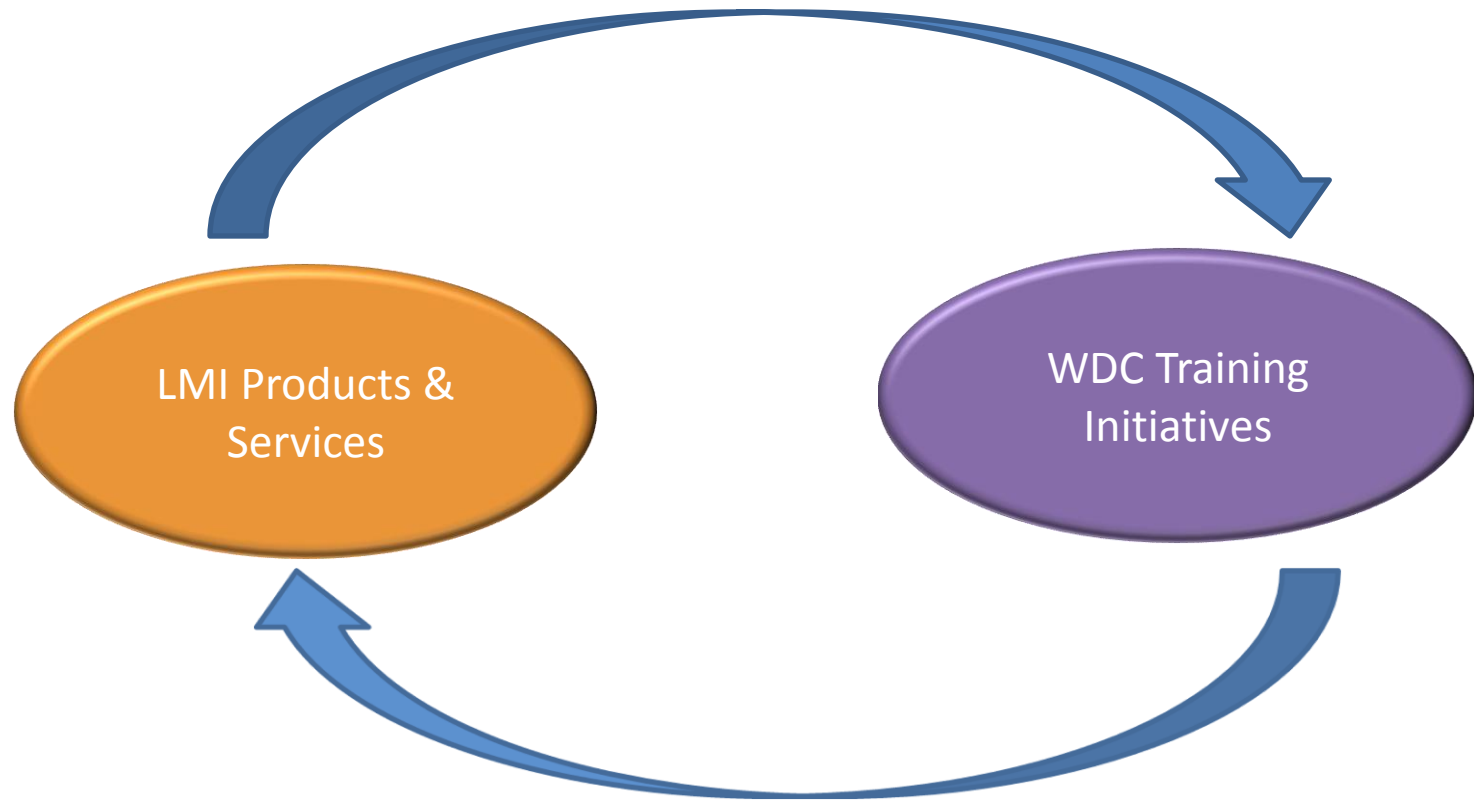
\* The number of additional jobs is greater than zero but less than ten.

\*\* Long Term Projections includes government

Advances in green jobs for all private industry sectors, with the exception of finance, insurance, and real estate, will be well above their respective industry averages.



## **USE OF LMI TOOLS HELPS DETERMINE FUTURE TRAINING NEEDS**



Examples include data provided for the agricultural and health care skills panels



# SESP



PART OF THE hawai'i green jobs initiative

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

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## 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:

*I'm interested in "green" job training.*

*I'm an employer seeking employees and/or resources for "green" on-the-job or incumbent worker training.*

*I'd like to become a training provider.*

*I'm a SESP sub-recipient looking for forms.*

Take a Training Course

Scholarship Eligibility

For Employers

For Sub-Recipients

For Prospective Training Providers

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## HAWAII'S GREEN JOBS

Top 10 Largest Green Job Occupations									
SOC Codes	Industry	Green Jobs Employment					Long Term Projections		
		High Growth Scenario			Low Growth Scenario		Employment		Annual Percent Change
		2010	2018	Annual Percent Change	2018	Annual Percent Change	2008	2018	
37-2011	Janitors & Cleaners, Maids & Housekeeping Cleaners	1,197	1,497	3.1%	1,351	1.6%	14,260	14,400	0.1%
19-4093	Forest & Conservation Technicians	601	*	*	*	*	140	140	0.0%
33-9032	Security Guards	552	578	0.6%	629	1.7%	11,090	12,170	1.0%
47-2111	Electricians	438	1646	34.5%	814	10.7%	3,360	3,500	0.4%
49-9021	Heating & Air Conditioning & Refrigeration Mechanics & Installers	348	690	12.3%	489	5.1%	900	970	0.8%
47-2031	Construction Carpenters	306	692	15.8%	475	6.9%	10,430	11,120	0.7%
47-2131	Insulation Workers - Floor, Ceiling, & Wall	277	**	**	**	**	**	**	**
37-3011	Landscaping & Groundskeeping Workers	276	584	13.9%	390	5.2%	10,140	11,330	1.2%
47-4099	Construction & Related Workers, All Other						150	170	1.3%
47-4099.01	Solar Photovoltaic Installers	237	*	*	*	*	**	**	**
41-2031	Retail Salespersons	219	576	20.4%	337	6.7%	26,140	28,210	0.8%

\*Data is suppressed for consistency concerns.

\*\*Data is not available.

The green sector portion of the occupations listed above will advance much faster than the overall growth in each occupation.



**"That hurt,  
maybe this one  
won't be so bad"**





Department of Labor and Industrial Relations

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