

LMI Improvement Grants Overview

**Green Occupational Skills Research
Improving Skills Transference
Green Training Inventory**

Alisa Dobbins

Improve LMI for the Green Economy

Occupational Skills Research

Skills Transference

Green Training
Inventory



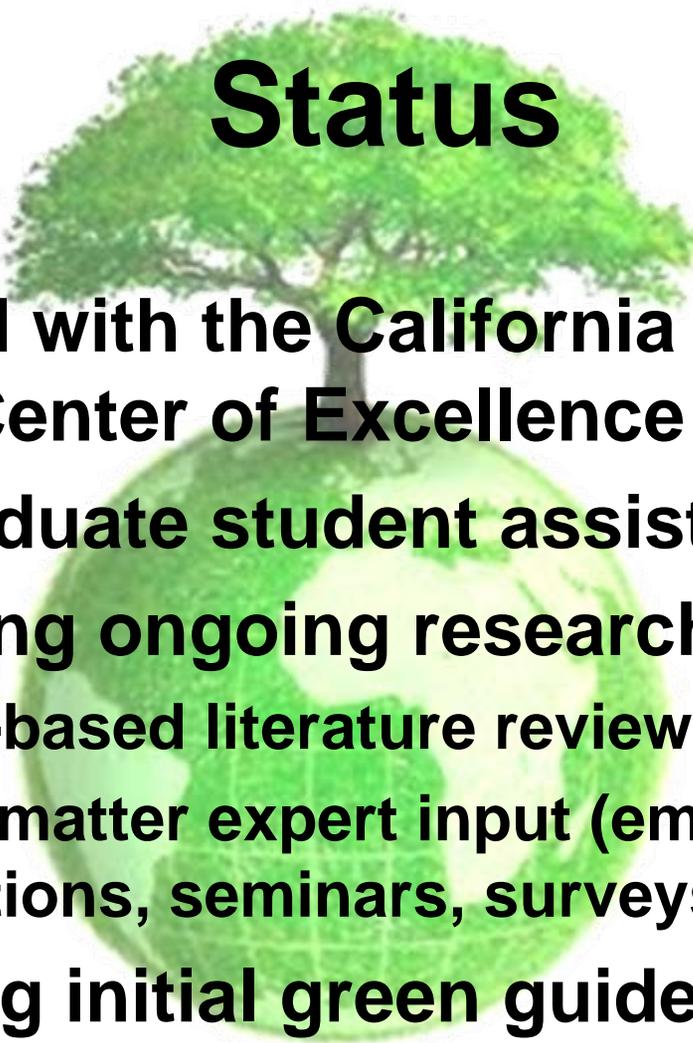
Green Occupational Skills Research



**Researching Green Occupations
to increase knowledge base and
contribute to workforce
development efforts**

Grant Objectives

- Identify tasks in green occupations
- Identify desired knowledge, skills, abilities
- Identify workforce training requirements



Status

- **Partnered with the California Community College Center of Excellence**
- **Hired graduate student assistants**
- **Conducting ongoing research**
 - Internet-based literature reviews
 - Subject matter expert input (employers, associations, seminars, surveys)
- **Publishing initial green guides on the Web**

What's on the Horizon?

- **Research and product development continues**
 - Center of Excellence continues research efforts
 - Multiple research methods – faculty reviews, focus groups, surveys
- **Green occupational guides published as research is completed**

LaborMarketInfo Overview

Here's some of what you can find on the links above...

In Career Information

- For job seekers looking for work or seeking a career change:
 - [California Occupational Guides](#) - now with local data
 - Explore jobs in your area with the [Occupation Profile](#)
 - Job search tools and resume tips
 - Steps to the Best Career for You
 - [Do you need training?](#)
 - And more...

In the Data Library

- Links to all of the data
- Customized Services and Data
- And more...

Most Popular Data

- [EB-5 Investor Visa Program](#)
- [Understanding the "Green" Economy](#) ["Green" Occupational Guides](#) **NEW!**
- [Occupational Employment and Wages](#) ([Frequently Asked Questions](#))
- [Monthly Data Release](#)
- [Unemployment Rates and Labor Force](#)

In The Economy

- [Local Area Profile](#)
- "Ask an Economist"
- Current Unemployment Rates
- Industry Employment
- Economic Indicators
- And more...

In the Customer Center

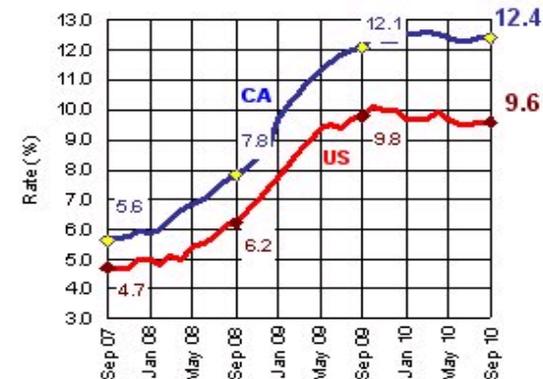
- Quick links and answers to common questions for the following groups:
- [Business / Employers](#)
 - Job Seekers and Workers – go to [Career Information](#)
 - [Economic Developers](#)
 - [Educators / Trainers](#)
 - [Workforce Partners](#)
 - [Researchers](#)
 - [EDD Staff](#)

Labor Market Info News

- [Monthly Data Release](#) for September 2010
- [California Labor Market Review](#)
- [Labor Day Briefing 2010](#)
- ["Green" Occupational Guides](#) **NEW!**
- [2010 Data Release Schedule](#)
- [California Regional Bulletin](#)
- [What's New!!](#) on this site  

Current Statistics

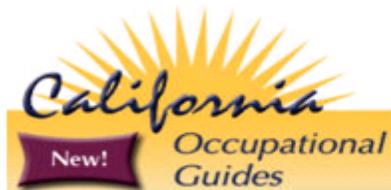
Three-Year Trend in California and U.S. Unemployment Rates
September 2010; Seasonally Adjusted Data



Quick Links

- [LMI Advisory Group](#)
- [LMI Glossary of Terms](#)
- [LMI Publications](#)
- ["LMI e-Newsletter"](#)
- [Información general en Español](#)

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[Summary Guide](#) (Printer Friendly)

[Detailed Guide](#) (Printer Friendly)

Summary Report-Jump to:

[Top of Page](#)

[What Would I Do?](#)

[Wages and Benefits](#)

[Job Outlook](#)

[How Do I Qualify?](#)

[Job Search Tips](#)

I want to:

[Search by Topic](#)

[Search by Keyword](#)



Summary Guide for

Electricians in Fresno County

May also be called: Chief Electricians; Electrical Sign Servicers; House Wirers

Specialties within this occupation include: Green Electricians

What Would I Do?

Electricians perform electrical work in the building and remodeling of structures. They generally specialize in construction or maintenance work.

Green Electricians will play a crucial role in the emerging Green Economy through the use of energy efficient lighting; the installation of motion and occupancy sensors, dimmers, timers, and smart power strips; and the overall knowledge about renewable energy sources, such as solar, wind, and geothermal. However, this should not lead to significant changes in the work or worker requirements.

Construction Electricians may be exposed to inclement weather. The work may be strenuous requiring heavy lifting, standing, stooping, and kneeling for long periods of time. Typically, Electricians work a 40-hour workweek, but they may be required to work overtime or on weekends in cases of emergency or other circumstances. Companies that operate 24 hours a day may employ three shifts of Electricians.

Will This Job Fit Me?

The job of an Electrician may appeal to those who enjoy activities that involve practical, hands-on problems and solutions.

What Wages and Benefits Can I Expect?

The median wage in 2010 for Electricians in California is \$54,571 annually, or \$26.24 hourly. The median wage for Electricians in Fresno County is \$47,154 annually, or \$22.67 hourly. The median is the point at which half of the workers earn more and half earn less.

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California

Occupational Guides

Guide for

Solar Thermal Installers and Technicians in California

May also be called: Solar Energy Systems Installers; Solar Hot Water System Installers; Solar Thermal Repair Technicians

What Would I Do?

Solar Thermal Installers and Technicians install, maintain, and repair solar energy systems designed to collect, store, and circulate solar-heated water for residential, commercial, or industrial use. Typically, solar water heating technology is used to heat water to three temperature levels: low for swimming pools, medium for space heating and cooling and domestic water heating, and high for steam production for electric generation.

Solar water heating systems are set up in conjunction with a standard water heater. There are two types of solar water heating technology: active and passive systems. Active systems use fans or pumps to move heat to warm water. Passive systems use sunlight to store energy and rely upon gravity to move hot water into a storage tank. They do not require pumps to move water.

Solar water heating technology uses the sun's rays to heat liquid in copper or plastic tubes located inside solar collector panels. The heated liquid coming from the solar panels transfers heat to the water heater through exchange coils inside the storage tank or a heat exchanger added to the existing water heater tank. The storage tank provides preheated hot water to a conventional water heater for immediate use. Solar water heating saves energy by reducing the amount of time a regular water heater must operate.

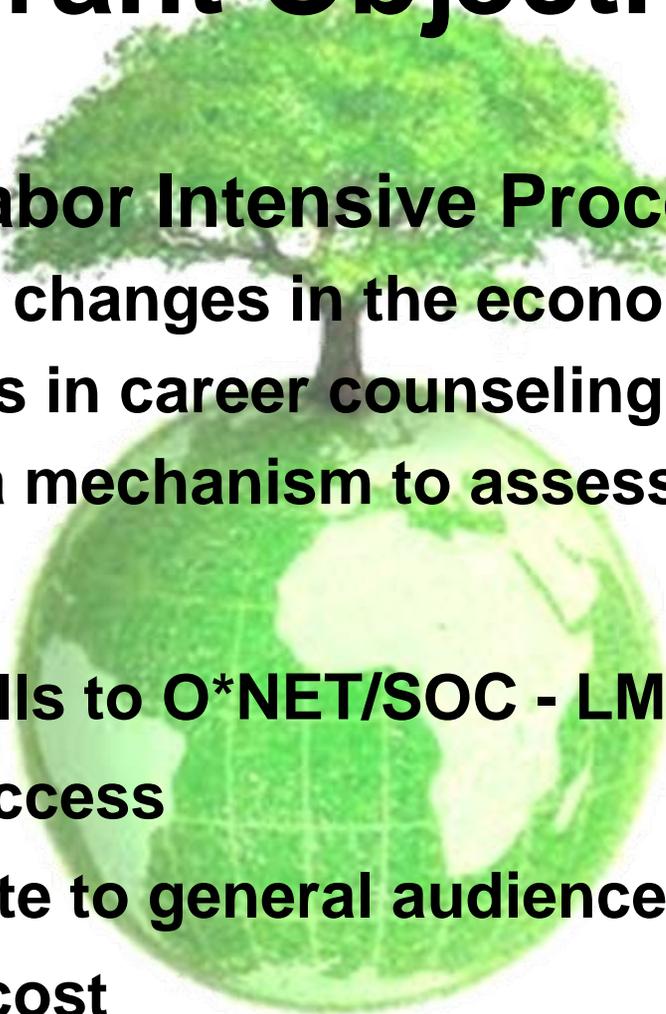
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Improving Skills Transference

**Review Products that Connect
Job Seeker Skills to the Green
Economy Using a Computer-
Based Career Information
Delivery System (CIDS)**

Grant Objectives



- **Simplify Labor Intensive Process**
 - structural changes in the economy
 - reductions in career counseling staff
 - need for a mechanism to assess job skills
- **Criteria**
 - match skills to O*NET/SOC - LMI occupational data
 - internet access
 - appropriate to general audience
 - fixed fee cost

Status

- Identified 60+ CIDS for review
- Developed review criteria and methodologies
- Created an approach for comparing skills assessments criteria and system features
- Started CIDS reviews
- Created Skills Transference Advisory Group (STAG) to gain ideas and direction for project goals
- One-Stop visits

What's on the Horizon?

- **Complete reviews – features offered and comprehensive**
- **Summarize and document process to report study results and make recommendations for system acquisition or development**

Green Training Inventory

Enhance LMID's current online training inventory to incorporate green education and training programs

Grant Objectives



- **Identify California green training programs and courses**
- **Increase usability of existing Training Inventory**
 - Enhance search features to include green and geography
 - Timely data updates
- **Support training provider self identification**

Status

- **Designed California Training Information System (CTIS) prototype**
- **Designed the CTIS Training Provider profile**
- **Developed green icon design in conjunction with EDD graphics**
- **Partnered with WA State to use programming source code**
- **Ongoing research of green training providers**

What's on the Horizon?

- **Outreach to training providers to begin this quarter**
 - Continue until self report feature available
- **Working with IT programmers to redesign existing Training Inventory and integrate Training Provider self-identifying function**
 - Test site available: April (estimate)



Questions?

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