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CALIFORNIA RECOVERY TASK FORCE

## Clean Energy Workforce Training Program

California Energy Commission

### Overview

California leads the nation in implementing innovative public policies supporting clean energy development, climate change mitigation and vehicle fuel and building efficiency standards. California's green economy can only be built and sustained by a well-trained workforce that can advance California's policies for a clean energy future.

The Clean Energy Workforce Training Program (CEWTP) is positioning California to lead the nation in green workforce development. The infusion of nearly \$100 million in federal American Recovery and Reinvestment Act (ARRA) funds and state, local and private funding, will fuel our green economy, train workers in clean energy job skills and develop green career pathways for the state's community college and high school students.

*The Clean Energy Workforce Training Program will build a workforce that can advance California's policies for a clean energy future.*

To create the infrastructure for the CEWTP, the Energy Commission is working closely with its state and local partners to fund training and education, regional clean energy industry cluster planning and implementation, and labor market information development. To ensure the program's sustainability, the Energy Commission is working closely with the Green Collar Jobs Council, which is charged with developing a statewide green workforce development plan that is sustainable into the future.

### Training and Education



The CEWTP delivers training through partnerships of local workforce investment boards and community colleges to build workers' skills for occupations in energy efficiency, water efficiency, renewable energy (distributed generation and utility scale) and clean and renewable fuels and transportation.

- The Energy Commission joined the Employment Development Department (EDD) and the California Workforce Investment Board (CWIB) to fund technical and soft-skill training in the clean energy and clean transportation sectors.

Thirty-four local workforce development partnerships received \$27 million in state and ARRA funds to train approximately 5,600 unemployed, underemployed and new workforce entrants through the following programs:

- ✓ Green Building and Clean Energy Pre-Apprenticeship and Re-training Partnerships
- ✓ Alternative and Renewable Fuel and Vehicle Technologies Workforce Development and Training Partnerships



The local partnerships consist of a local workforce investment board (WIB) and community college as well as community, labor, and other nongovernmental organizations. The partnerships have assembled an advisory council of local green business leaders and will provide job placement services through existing WIB/One-Stop Career Centers.

Funding through the SFP is from four sources: \$14.5 million of ARRA funds, \$2.2 million in Alternative and Renewable Fuel and Vehicle Technology Program funds, and \$10 million from Workforce Investment Act Governor's Discretionary funds. Grantees provide an additional \$39 million in public-private partnership matching dollars.

The Energy Commission has partnered with the Employment Training Panel to provide \$11 million for skills training for 5,600 incumbent workers and new workforce entrants through the following programs:

- ✓ **Green Building and Clean Energy Career Advancement Training (\$5 million)**
  - ✓ **Clean Transportation Career Advancement Training (\$6 million)**
- The Energy Commission's Alternative and Renewable Fuel and Vehicle Technology Program is providing \$4 million to the California Community Colleges Chancellor's Office (CCCCO) to support the development of clean transportation curriculum by the Advanced Transportation, Technology and Energy Initiative (ATTE) for community colleges and career technical education (CTE) in high schools.
  - The Energy Commission invested \$12 million in the Partnership Academies' Green/Clean Initiative through the Department of Education to build clean energy career pathways for students in grades 10 – 12. The Partnership Academies integrate academic and career technical education, business partnerships, mentoring, and internships.
  - The Energy Commission is leveraging \$500,000 in funds for a statewide solar training partnership led by the CCCCCO. The partnership, which includes labor organizations and the nonprofit California Center for Sustainable Energy, will develop a statewide train-the-trainer curriculum for photovoltaic and solar heating and cooling programs.

## **Regional Clean Energy Industry Cluster Planning and Implementation**

A robust clean energy industry in California will require the collaboration the state's economic, technology, education and workforce development sectors. Regional sector workforce development plans will coordinate clean energy, transportation and technology workforce programs and maximize the cost-effectiveness of future workforce training funds. The Energy Commission is investing \$500,000 from the Alternative and Renewable Fuel and Vehicle Technology Program to develop these plans.



## **Labor Market Information Development**

The Energy Commission is partnering with EDD and the Centers of Excellence of the California Community Colleges system to provide \$700,000 to collect information necessary to shape a statewide workforce development plan. The state has completed a comprehensive statewide survey of industries in the clean/green economy to learn more about these businesses and their workforce needs. This effort is the first step required to measure and verify job growth and occupational requirements in the clean energy industry.