

# Overview of Sustainable Development Education and Training Institute (SDETI) @ Los Angeles Trade-Technical College

## Los Angeles Department of Water and Power Planning Grant

### Purpose of the LADWP Planning Grant

To develop the Sustainable Development Education and Training Institute (SDETI) headquartered at Los Angeles Trade-Technical College.

### Mission of Sustainable Development Education and Training Institute (SDETI)




The mission of the Institute\* is to improve the economy and quality of life of the City and the region by building a local workforce skilled in the planning, management, and installation of renewable energy technologies.

*\*The Institute specifically addresses the goals of the LADWP to lower energy costs, to convert a greater share of electric power to renewable sources, and to decrease environmental pollutants.*




### Goal of SDETI

To build an education and training infrastructure in sustainable development that will help reduce the cost of energy, strengthen the City and regional economy, and improve the quality of life for all Angelinos.

### SDETI Objectives

-  To increase the number of Angelinos trained in new emerging energy technologies such as installation of solar systems on roofs, sustainable landscaping, alternative fuels, etc.
-  To develop well-articulated sustainable development education and training programs that will support entry level to professional career development needs of the industry
-  To increase energy conservation awareness, behaviors, and career exposure of K-12 students

### Special Feature - Energy Collaborative

-  Inter-collegiate Partnerships: 9 Colleges of the Los Angeles Community College District, CSULA, UCLA
-  Inter-segmental Partnerships (K16): Middle Schools, High Schools, LAUSD Adult Schools, Community Colleges, CSUs, and UCs
-  Inter-agency Partnerships: Business and Industry, Government, Academic Institutions, Nonprofit Workforce Training/Placement Providers, Community Stakeholders

## Los Angeles Trade-Technical College (LATTC) – Headquarters of SDETI



### LATTC's Career-Technical Educational (CTE) Programs Support Green Industries

- LATTC's CTE degree and certificate programs align with all of the Industries in L.A. City's Green Technology Sector with the "highest output" and that "add the greatest value" (source: Rosner, Sigalle. "Job Implications of Los Angeles' Green Building Industry." Masters Client Project for UCLA. June 2006. www.ladwp.com)
- LATTC is the only community college in the City of Los Angeles with the following CTE programs that support green industry sectors:
  - Supply Water Technology
  - Waste Water Technology
  - Construction Technologies (Carpentry, Electrical, Plumbing, Refrigeration & Air Conditioning Mechanics, Welding, Gas & Electric; Electrical Construction, Electrical Construction & Maintenance - Motor Control, Programmable Logic Controllers, Architecture)
  - Chemical Technology
  - Process Technology
  - Solid Waste Management



### LATTC's Long and Successful CTE and Workforce Development Track Record

- LATTC has an 80+ year history of workforce development
- LATTC has 21 CTE programs that are #1 in the state for conferring degrees and certificates...54 programs are in the top ten in the state
- 75,000 individuals have completed CTE courses/training at LATTC over the past five years



### LATTC Green College Initiative

- Build Green....Build Healthy
- Improve Environmental Health
- Implement Waste Prevention Measures
- Green Departments, Disciplines, Content

## Planning Grant Overview

The grant supports activities related to planning for the establishment of the Sustainable Development Education and Training Institute (SDETI) as follows.



Convene Quarterly Energy Collaborative Meetings and Reporting (Ongoing)



Conduct Research and Prepare Report on Renewable Energy Industry(s) (Month 2)



Develop Work Plan for SDETI Planning Project (Month 2)



Convene Sustainable Development Forum and Planning Workshop (Month 4)



Prepare Preliminary Report on Planning Activities and Assessment (Month 6)



Conduct Labor Market Assessment and Develop SDETI Program Design (Month 8)



Pilot SDETI Curricula and Schedule Launch of Sustainable Degree Program(s) (Month 11)

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