

Digest of Green Reports and Studies

Title	<i>Energy Efficiency Study: Environmental Scans</i>
Author	
Organization	Centers of Excellence
Author Contact	
Publication Type	Report – Results form Original Survey
Publication Date	2009
# of Pages	556 pp.combined
URL	www.coecc.net/energy/index.asp
Summary	<p>The Centers for Excellence along with research and industry partners analyzed the energy efficiency sector in ten regions across the State. The analysis included a survey of questions that would help identify the workforce needs of employers and determine the projected demand for these energy efficiency occupations. Eight energy efficiency occupations were selected on the basis of their relevance to the community colleges. The occupations included: resource conservation or energy efficiency managers; project managers for construction or design work; HVAC mechanics, technicians or installers; building performance or retrofitting specialists; building operators or building; energy auditors or home energy raters; compliance analysts or energy regulation specialists; and building controls systems technician. The number of responses collected from each of the ten regions ranged from 100 to 700 employers. All survey results showed that there would be a projected increase in the energy efficiency occupations over the next three years. However, not all areas projected the same occupations as having the fastest growth or adding the most jobs. According to the Environmental Scan, “Many of these new jobs will be created to weatherize and retrofit homes and buildings, which are being fueled in part by the hundreds of millions of dollars coming to California from the American Recovery and Reinvestment Act of 2009.” The result of this survey supports the formation, revision and the development of energy efficiency courses and programs in the community colleges. Currently, some of the community colleges have already begun to plan for these new courses and programs in order to meet the needs of the energy efficiency sector. These programs could lay the foundation for additional employment opportunities, assist in the growth of energy efficiency companies, and help stimulate the economy.</p>
Key Findings	<p>Refer to the following pdfs for the key findings of each region:</p> <ul style="list-style-type: none"> • South Central Region www.coecc.net/energy/documents/KF_EE_SoGen_09.pdf • Los Angeles Region www.coecc.net/energy/documents/KF_EE_LA_09.pdf • Orange County Region www.coecc.net/energy/documents/KF_EE_ORA_09.pdf • Inland Empire Region www.coecc.net/energy/documents/KF_EE_IE_09.pdf • Central Valley Region www.coecc.net/energy/documents/KF_EE_CV_09.pdf • Northern Inland Region www.coecc.net/energy/documents/KF_EE_Inland_09.pdf • Northern Coastal Region www.coecc.net/energy/documents/KF_EE_Coastal_09.pdf • San Diego-Imperial Region www.coecc.net/energy/documents/KF_EE_SDI_09.pdf • Greater Sacramento Region www.coecc.net/energy/documents/KF_EE_GS_09.pdf • San Francisco Bay & Greater Silicon Valley Regions www.coecc.net/energy/documents/KF_EE_Bay_09.pdf
Recommendations	<p>The recommendations listed below are representative of the ten regions combined but, not all recommendations are listed in each region. For a complete listing of each region’s recommendations, refer to the Web sites listed in the Data Sources Cited section. The recommendations are as follows:</p> <ul style="list-style-type: none"> • “Build a pipeline of skilled workers.” • “Create and expand industry partnerships.” • “Provide on-going professional development for college faculty.” • “Refine the list of Community College courses and programs for Energy Efficiency Occupations.” • “Develop employer preference training methods.”

	<ul style="list-style-type: none"> • “Further develop communication skills curriculum.” • “Focus on Employer Preferences.” • “Strategically develop energy efficiency training programs throughout the Region to meet industry needs while leveraging resources.” • “Build energy efficiency training programs using existing programs.” • “Develop Contextualized Communication Skills Curricula for Energy Efficiency.”
Definition of “Green”	None
Methodology	Survey
Data Sources Cited	<p>Refer to the references section of the following Web sites:</p> <ul style="list-style-type: none"> • South Central Region www.coecc.net/Environmental_Scans/ee_scan_socen_09.pdf • Los Angeles Region www.coecc.net/Environmental_Scans/ee_scan_la_09.pdf • Orange County Region www.coecc.net/Environmental_Scans/ee_scan_ora_09.pdf • Inland Empire Region www.coecc.net/Environmental_Scans/ee_scan_ie_09.pdf • Central Valley Region www.coecc.net/Environmental_Scans/ee_scan_cv_09.pdf • Northern Inland Region www.coecc.net/Environmental_Scans/ee_scan_norIn_09.pdf • Northern Coastal Region www.coecc.net/Environmental_Scans/ee_scan_noCoast_09.pdf • San Diego-Imperial Region www.coecc.net/Environmental_Scans/ee_scan_noCoast_09.pdf • Greater Sacramento Region www.coecc.net/Environmental_Scans/ee_scan_gs_09.pdf • San Francisco Bay & Greater Silicon Valley Regions www.coecc.net/Environmental_Scans/ee_scan_sf-gsv_09.pdf
Report Geography	South Central Region, Los Angeles Region, Orange County Region, Inland Empire Region, Central Valley Region, Northern Inland Regions, Northern Coastal Regions, San Diego-Imperial Region, Greater Sacramento Region, San Francisco Bay & Greater Silicon Valley Regions
Green Occupations Cited	<p>The following Green Occupations were cited in all ten Environmental Scans:</p> <ul style="list-style-type: none"> • Resource conservation or energy efficiency managers. • Project managers for construction or design work. • HVAC mechanics, technicians or installers. • Building performance or retrofitting specialists. • Building operators or building. • Energy auditors or home energy raters. • Compliance analyst or energy regulation specialists. • Building controls systems technician.
Green Industries Cited	Energy Efficiency Sector
Keywords	Energy Efficiency Occupations, LEED, Green Energy
Legislation Cited	Y
Bibliography (Y/N)	Y
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