

Digest of Green Reports and Studies

Title	<i>East Bay Green Economy – Developing a Professional Workforce in the Tri-Valley</i>
Author	N/A
Organization	Workforce Incubator
Author Contact	N/A
Publication Type	Economic Development Plan
Publication Date	July, 2009
# of Pages	34 pp. (with an additional 50 pp. in appendices)
URL	http://www.workforceincubator.org/Portals/0/Green_Economy_Workforce_Development.pdf
Summary	<ul style="list-style-type: none"> Given its highly educated population and proximity to many entrepreneurial endeavors in the energy and information technology sectors, the Tri-Valley area is uniquely equipped to provide a ready-and-able workforce for the green economy. A large number of Tri-Valley professionals have been displaced and integrating them into the green economy is critical for the economic recovery of the region. The surplus of qualified professionals in the Tri-Valley area will soon shift to a scarcity, due to the retirement of Baby Boomers and the projected steady decline of California’s college graduates. This shift will most likely coincide with significant demand for professionals in the green economy, creating an expanding gap with the supply side. The gap between workforce needs and the Tri-Valley’s education programs has many dimensions, including, but not limited to, budgetary issues, lack of green curricula at the community college level, and low enrollment in advanced Science, Technology, Engineering, and Mathematics (STEM) classes at the high school level.
Key Findings	<ul style="list-style-type: none"> Specific green curricula or standard STEM curricula infused with green concepts, funded by grants from different areas, could alleviate a major stop in the green economy/jobs pipeline – the inadequate preparation of high school students to enter into green jobs.
Recommendations	<ul style="list-style-type: none"> “Adding business development and energy auditing specialists will be a positive force in creating new green business.” “Additional dialog among employers, educators, and public officials is needed to determine means for bridging” gaps created by the current uncertainty of green jobs and the potential for rapid growth in the green economy. The development of green career pathways, starting at the high school level, will take advantage of middle and high school students’ burgeoning interest in clean energy and the environment.
Definition of “Green”	This report adopts LMID’s definition of “Green”
Methodology	Survey of employers (“very low response rate”) and supplemental literature research
Data Sources Cited	Alameda County WIB, American Solar Energy Society (ASES), Association of Energy Engineers, Centers of Excellence, Craft Consulting Group, Environmental Defense Fund, Thomas Friedman, Global Insight, Green Capital Alliance, KEMA, Nate Lewis – CalTech, LMID, Partnership for 21 st Century Skills, PG&E
Report Geography	Tri-Valley area of the East Bay – the cities of Dublin, Livermore, Pleasanton, and San Ramon and the town of Danville
Green Occupations Cited	<ul style="list-style-type: none"> Biofuels Manufacturers Business Development Specialists Energy Auditors Environmental Consultants Environmental Engineers Environmental Researchers Green Building Materials Manufacturers Green Contractors Green Remodelers Photovoltaic Device Designers SmartGrid Designers Systems Integration Engineers Water Quality Consultants Appendix 2 includes 175 green job titles based on the <i>California Green Jobs Guidebook</i> published by the Environmental Defense Fund in 2008
Green Industries Cited	<ul style="list-style-type: none"> Carbon Capture and Storage (CCS) Carbon Markets: Trading and Projects

	<ul style="list-style-type: none"> • Climate Change Adaptation • Consulting and Research • Energy Efficiency: Systems and Products • Energy Storage: Equipment and Systems • Green Buildings • Low Carbon and Renewable Power • Transportation • Water and Wastewater
Keywords	East Bay; Energy; Green Economy; Tri-Valley.
Legislation Cited	<ul style="list-style-type: none"> • American Reinvestment and Recovery Act • CA AB 32 – Global Warming Solutions Act • CA SB 1 – Million Solar Rooftops Initiative • CA SB 375 • CA SB 732 • CA AB 811
Bibliography (Y/N)	N
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