

Digest of Green Reports and Studies

Title	Clean Energy and Green Building Careers in Silicon Valley
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URL	http://www.novaworks.org/documents/GreenForum_Handbook.pdf
Summary	Overview of 36 green job occupations describing career profiles, education and training requirements, wage information, employment trends, relevant industries, educational programs, career ladders, and KSAs (knowledge, skills, abilities). Some occupations interview individuals in that occupation. Followed by a description of green jobs, green programs in educational institutions in Silicon Valley (Santa Clara, Alameda, San Francisco, San Mateo, and Santa Cruz Counties) as well as a general listing of the “big three” universities and an extensive list of vocational schools. Third, lists the address, phone and web information for alternative fuel vehicle related businesses (Bay Area), building performance contractors (Bay Area), and clean tech companies (Silicon Valley). Finally, lists Energy Service Companies (ESCO Providers) on the West Coast; Green Building Professionals (mainly in San Francisco Bay Area); Suppliers and Retailers of Green Home Improvement Products and Sustainable Building Materials (Bay Area).
Key Findings	n/a
Recommendations	n/a
Definition of “Green”	Principal values help to define being green. However, this is not a checklist. The following values reflect an approach to life that centers on an awareness of our impact on the planet and its people: Environmental protection/preservation, Eco-friendly design, Sustainable development, Renewable energy, Organic/natural products, Fair trade, Holistic health, Clean technology, Peace and justice, Social conscience.
Methodology	n/a
Data Sources Cited	U.S. Department of Labor's Bureau of Labor Statistics and Occupational Information Network (O*NET); California Employment Development Department's Labor Market Information Division; National Association of Energy Service Companies; California Building Performance Contractors Association; California's Eligible Training Provider List (ETPL); Build It Green; and links specific to each career profile as available
Report Geography	Silicon Valley, Bay Area, Santa Clara County, Santa Cruz County, San Mateo County, San Francisco County, Alameda County, California, West Coast
Green Occupations Cited	<ul style="list-style-type: none"> • Alternative Fuel Vehicle Salespersons • Alternative Fuel Vehicle Service Technicians • Architects (sustainable design) • Building Materials Specialists/Sales Reps (green/sustainable building materials) • Buyers and Purchasing Agents/Managers • Carpenters (green building) • Civil Engineers • Construction Managers • Construction Supervisors, First-Line • Cost Estimators • Customer Service Representatives • Drafters and CAD Technicians • Electrical and Electronic Engineering Technicians • Electrical Engineers • Electricians • Energy Engineers • Engineering Managers • HVAC Service Technicians and Installers • HVAC Salespersons • Landscape Architects (sustainable design) • Machinists • Maintenance and Repair Workers, General • Materials Engineers • Mechanical Engineering Technicians • Mechanical Engineers • Plumbers, Pipefitters, and Steamfitters • Roofers • Sales Engineers, Including Solar/Renewable Energy and HVAC Systems • Solar Energy Systems Designers/Engineers • Solar Energy Systems Installation Supervisors/Project Managers • Solar Energy Systems Installers/Technicians • Solar Energy Systems Sales Representatives • Solar Energy Systems Service Technicians • Sustainability Coordinators • Team Assemblers • Urban and Regional Planners, Including Land Use Planners
Green Industries Cited	(see Employment Trends section of each career profile)
Keywords	Green occupations, green jobs, green careers, Silicon Valley, sustainability, sustainable businesses, green collar jobs, clean tech, green building
Legislation Cited	n/a
Bibliography (Y/N)	N
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