

## Digest of Green Reports and Studies

<b>Title</b>	Strategic Possibilities Report Bay Region, Energy Efficiency Occupations At-A-Glance
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<b>URL</b>	<a href="http://cccemd.net/industryscans">http://cccemd.net/industryscans</a>
<b>Summary</b>	This report focuses on occupations related to energy efficiency in the residential, commercial and industrial building. These jobs are expected to grow in the Bay Region as employers and individuals invest in energy efficient projects. An increased demand for skilled energy technicians will be needed to implement new building codes that regulate lighting, heating, ventilation and air conditioning, water heating, building envelope, and mechanical systems requirements. As new energy efficiency technologies are developed, manufacturing jobs will also be created to produce these new products, and trained technicians will be needed to install and monitor these new devices. An important next step is to survey regional employers in order to identify projected job growth.
<b>Key Findings</b>	Appendix C provides a list of energy efficient occupations outlined by the panel with a list of the job duties.
<b>Recommendations</b>	<ol style="list-style-type: none"> <li>1. Create internal partnerships with regional colleges and Economic and Workforce Development (EWD) initiatives to build the capacity to respond to industry needs.</li> <li>2. Partner with industry Associations, Employers, WIBS and community Based Organizations to assess the workforce development needs of the energy efficiency and energy services field.</li> <li>3. Create new classes, certificates, and adapt existing degree and certifications programs based on labor market data and industry needs.</li> </ol>
<b>Definition of “Green”</b>	They identified the green technology arena to include: alternative energy, transportation systems, and building with a focus on residential, commercial and industrial construction.
<b>Methodology</b>	Study was produced from a secondary review of publicly and privately available data and/ or research
<b>Data Sources Cited</b>	California Regional Economies Project and Employment Development Department Labor Market Information Division
<b>Report Geography</b>	San Francisco Bay Region
<b>Green Occupations Cited</b>	<ul style="list-style-type: none"> <li>• Energy Auditor: conducts energy audits (including investment grade audits) of buildings, as well as building and process systems.</li> <li>• Energy Analyst: analyzes energy and building data, researches energy saving opportunities, and recommends a prioritized list of energy conservation and renewable energy options.</li> <li>• Building Operator/Building Technician: manages all building operations.</li> <li>• Resource Conservation/Efficiency Manager: plans, recommends and supervises implementation of resource efficiency and conservation projects.</li> <li>• Measurement and Verification Technician: installs, maintains, and troubleshoots HVAC, electrical, and energy management instrumentation.</li> <li>• Systems Technician: integrates energy efficiency, energy management, and alternative energies into the operation and maintenance of facilities.</li> </ul>
<b>Green Industries Cited</b>	<ul style="list-style-type: none"> <li>• Construction</li> </ul>
<b>Keywords</b>	energy efficiency; building; construction;education; occupations;Bay Region.
<b>Legislation Cited</b>	None
<b>Bibliography (Y/N)</b>	Yes
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