

## Digest of Green Reports and Studies

<b>Title</b>	<b><i>California Green Transportation Jobs Report: To the California Energy Commission Agreement No. 600-08-008</i></b>
<b>Author</b>	Employment Development Department's Labor Market Information Division
<b>Organization</b>	Employment Development Department's Labor Market Information Division
<b>Author Contact</b>	N/A
<b>Publication Type</b>	Report- results from original survey and literature research
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<b># of Pages</b>	76 pp.
<b>URL</b>	<a href="http://www.energy.ca.gov/cleanenergyjobs/600-08-008-CA_Green_Jobs_Survey_Transportation_Analysis_Rep.pdf">http://www.energy.ca.gov/cleanenergyjobs/600-08-008-CA_Green_Jobs_Survey_Transportation_Analysis_Rep.pdf</a>
<b>Summary</b>	According to the report, "In September 2009, the California Energy Commission (CEC) contracted with the California Employment Development Department (EDD) to provide workforce development and training services that would support the goals of Assembly Bill (AB) 118's Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). As part of this agreement, CEC tasked EDD's Labor Market Information Division (LMID) to analyze relevant data from the California Green Economy Survey (Green Survey) that relate to ARFVTP. CEC also requested that special focus be placed on the following industrial activities: Production, storage, and transportation of renewable fuels; Green transportation manufacturing, distribution, installation and maintenance; Sustainable fuel feedstock production and extraction. In addition, CEC asked for information on new skills or knowledge needed in the workforce of green transportation industries."
<b>Key Findings</b>	<p>Key Findings from the California Green Economy Survey:</p> <ul style="list-style-type: none"> <li>• "Across all industry sectors, the Green Survey established a baseline of green jobs estimated at 432,840 during May 2009 through January 2010 survey period. The total green jobs estimate represents 3.4 percent of California's total employment for the survey time period."</li> <li>• "Of the total green jobs in the State, employers reported that 263,222 worked at least 50 percent of the time on green activities."</li> <li>• "Analysis based on employees working 50 percent or more of their time in an ARFVTP industry related green job reveals an estimated 15,208 jobs in Alternative Advanced Vehicles, 35,546 jobs in Alternative Fuels, and 21,466 jobs in Transportation Systems."</li> </ul> <p>Additional findings may be found throughout the report.</p>
<b>Recommendations</b>	N/A
<b>Definition of "Green"</b>	<p><b>CALIFORNIA'S WORKING DEFINITION OF THE GREEN ECONOMY:</b></p> <p><b>"Generating and storing renewable energy</b> - Includes alternative energy generated by, but not limited to wind, solar, water, biofuels, biomass, hydrogen fuel cells, and geothermal.</p> <p><b>Recycling existing materials</b> - Corporations involved in the collection and processing of recyclable materials, including firms running a recycling or wastewater plant. Includes environmental clean-up and remediation (does not include companies that provide bins for recyclable paper, glass, and cans).</p> <p><b>Energy efficient product manufacturing, distribution, construction, installation, and maintenance</b> -- This includes companies involved in the research, development, and manufacturing of products such as solar panels, energy efficient light bulbs, and vehicles. It also includes construction companies that install and repair these products in new or existing residential or commercial real estate, as well as real estate planning and land development.</p> <p><b>Education, compliance, and awareness</b> – Includes training providers for curricula such as solar panel installation, energy auditing and residential consultation, sustainability management, alternative fuel and vehicle systems, etc. Also includes environmental consulting, governmental/legislative compliance, conservation and wildlife programs, trading and offsets, and social assistance.</p> <p><b>Natural and sustainable product manufacturing</b> -- Includes companies that create products using natural materials. Also includes businesses that produce safe, nontoxic products; bamboo products; products out of previously-recycled materials, and agricultural firms that practice sustainable farming or forestry."</p>
<b>Methodology</b>	Survey and literature research.
<b>Data Sources Cited</b>	<ul style="list-style-type: none"> <li>• California Green Economy Survey</li> <li>• Quarterly Census of Employment and Wages (QCEW)</li> <li>• California Economic Strategy Panel</li> </ul> <p>Additional sources cited may be found throughout the report and also in Appendix D &amp; E.</p>
<b>Report Geography</b>	California

<b>Green Occupations Cited</b>	<ul style="list-style-type: none"> <li>• Alternative Energy Engineers</li> <li>• Alternative Fuel Vehicle Technicians</li> <li>• Battery and Energy Storage Project Engineers</li> <li>• Biofuels Technicians</li> <li>• Bus and Truck Mechanics</li> <li>• Electrical Engineers</li> <li>• Fuel Cell Technicians</li> <li>• Geothermal Technicians</li> <li>• Industrial Production Managers</li> <li>• Machinists</li> <li>• Maintenance and Repair Workers, General</li> <li>• Mechanical Engineers</li> <li>• Mechanical Engineering Technicians</li> <li>• Plant and Systems Operators</li> </ul> <p>Additional occupations are found throughout the report.</p>
<b>Green Industries Cited</b>	<ul style="list-style-type: none"> <li>• Alternative Advanced Vehicles</li> <li>• Alternative Fuels</li> <li>• Transportation Systems</li> </ul> <p>Additional industries are found throughout the report.</p>
<b>Keywords</b>	<p>Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP); Alternative Fuels; Alternative Fuel Vehicles; Battery; Biofuel; Biomass; California Energy Commission (CEC); Cellulose; Employment Development Department (EDD); Ethanol; Fuel Cell; Green Economy; Greenhouse Gas Emissions; Green Jobs; Green Practices; Green Survey; Hybrid Electric Vehicles; Hydrogen; Labor Market Information Division (LMID); Methane; Renewable Energy Systems; Sustainable Environment; Transportation Systems</p>
<b>Legislation Cited</b>	<ul style="list-style-type: none"> <li>• CA AB 118 – Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP).</li> </ul>
<b>Bibliography (Y/N)</b>	Y
<b>Reviewer Name/Org</b>	Tammy Gregory/LMID/ORG

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