

## Digest of Green Reports and Studies

<b>Title</b>	<b><i>Energy Efficiency Services Sector: Workforce Education and Training Needs</i></b>
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<b>Publication Type</b>	Report – Results from Original Survey
<b>Publication Date</b>	March, 2010
<b># of Pages</b>	53 pp.
<b>URL</b>	<a href="http://eetd.lbl.gov/EA/EMP/reports/lbnl-3163e.pdf">http://eetd.lbl.gov/EA/EMP/reports/lbnl-3163e.pdf</a>
<b>Summary</b>	<p>The study surveyed two year and four year colleges/universities, trade schools, labor unions, and employers regarding the current training available, and the need to expand training in the field of Energy Efficiency Services Sector (EESS). The authors differentiate 'Green' from EESS; with the 'Green' movement focusing on renewable, clean energy sources and the Energy Efficiency Services Sector focused on maximizing energy use while minimizing the loss of energy.</p> <p>Through the use of surveys and interviews, the authors assessed the demand for trained professionals in EESS. The area of EESS is a multidisciplinary field that includes: research professionals, engineers, college and university professors, labor unions, construction workers, and social scientists. Although the demand is high for training courses at the college and university level, there are few schools that have courses or programs devoted to EESS. Survey and interview respondents indicated that the job market was very good for individuals trained in EESS. Unfortunately, enrollment into specialized EESS college and university programs has been restricted due to limited resources; for example, a lack of adequately trained professors, and available classroom space. Due to the limited amount of formal training available, the majority of the EESS training is conducted while on the job.</p> <p>In order to meet the growing demand for a trained EESS workforce the authors recommend an increase in knowledgeable EESS instructors, expanded EESS academic courses and programs, trade schools programs with energy efficient coursework, and continuous training for professionals already working in the field.</p>
<b>Key Findings</b>	Need for increased EESS training throughout the country, especially in states where energy efficiency practices have not been a priority.
<b>Recommendations</b>	<ul style="list-style-type: none"> <li>• Provide energy efficiency education and support targeted at building and construction contractors and trades people.</li> <li>• Coordinate and track training efforts across states.</li> <li>• Increase short-duration, applied trainings to augment on-the-job training and/or introduce new entrants to a field.</li> <li>• Provide funding to train current EESS trainers.</li> <li>• Increase access to on-the-job and other formal training for mid- and senior-level engineers and managers.</li> <li>• Prepare the next generation of EESS professionals at the college and university level.</li> </ul>
<b>Definition of "Green"</b>	None
<b>Methodology</b>	Survey, Interview
<b>Data Sources Cited</b>	<ul style="list-style-type: none"> <li>• Bureau of Labor Statistics, U.S. Department of Labor 2007. "2006-16 National Employment Matrix, detailed by Occupation." <a href="http://www.bls.gov/emp/empjols.htm">http://www.bls.gov/emp/empjols.htm</a>, Washington D.C.: Bureau of Labor Statistics, U.S. Department of Labor. U.S.</li> <li>• Department of Education, National Center for Education Statistics 2007. Table 275: Bachelor's, master's, and doctor's degrees conferred by degree-granting institutions by sex of student and discipline division. <a href="http://nces.ed.gov/programs/digest/d08/tables/dt08_275.asp?referrer=list">http://nces.ed.gov/programs/digest/d08/tables/dt08_275.asp?referrer=list</a></li> </ul>
<b>Report Geography</b>	USA
<b>Green Occupations Cited</b>	Civil Engineers Electricians Construction laborers and managers Architects Electrical Engineers Professors HVAC Technicians
<b>Green Industries</b>	Engineering

<b>Cited</b>	Utilities Construction Education
<b>Keywords</b>	Energy Efficiency Services Sector (EESS)
<b>Legislation Cited</b>	American Recovery and Reinvestment Act of 2009 (ARRA)
<b>Bibliography (Y/N)</b>	Y
<b>Reviewer Name/Org</b>	Angel J. Rodriguez

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