

## Digest of Green Reports and Studies

<b>Title</b>	<b>What's Old is New: Green Jobs and What America's Federal Workforce Investment System Can Do Now to Develop a Green Workforce</b>
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<b>Summary</b>	The article discusses the definition of a green job, conceptual tools to help workforce development professionals distinguish between classic occupations and green occupations, and suggested criteria for evaluating the green aspects of group training projects and individual referral training programs. The article also provides recommendations for what federal, state and local workforce development policy-makers and practitioners can do now to begin the process of implementing systems for green workforce development.
<b>Key Findings</b>	<p><b>Green Root Occupations</b> are jobs/occupations requiring traditional knowledge, skills and abilities (KSAs) that can be applied to achieve sustainable product/service outcomes. Such occupations contain KSAs that are also found in derivative occupations that support sustainable activities and objectives; such derivatives may omit some root KSAs or contain added KSAs.</p> <p><b>Green Derivative Occupations</b> are jobs/occupations with traditional KSAs and KSAs that have been added, mixed, or eliminated to achieve sustainable product/service outcomes.</p> <p><b>Green Root Skill Sets</b> include the knowledge, skills and abilities for which local demand has been determined with respect to occupations needed for <i>green</i> activities.</p> <p><b>Guiding Principles for Green Jobs:</b></p> <ul style="list-style-type: none"> <li>• What is made or provided by the incumbent contributes to the reduction or elimination of greenhouse gases and/or other agents of environmental degradation (products/services)</li> <li>• How a product or service is made or provided by the incumbent is environmentally sustainable (processes)</li> <li>• The incumbent's work functions and outcomes are intended to be environmentally respectful and lead to value (purpose)</li> </ul>
<b>Recommendations</b>	The article provides a number of recommendations intended to help workforce entities organize for green workforce development. Included are recommendations to modify industry data and labor market information systems to capture green industry activity and associated occupations; and the development and adoption of standards-based criteria for evaluating green job training programs and employers.
<b>Definition of "Green"</b>	<b>Green Job:</b> A group of homogeneous tasks related by similarity of functions. When performed by an employee in an exchange for pay, a job consists of duties, responsibilities, and tasks that are (1) defined and specific, and (2) can be accomplished, quantified, measured, and rated. What is made or provided by the incumbent contributes to the reduction or elimination of greenhouse gases and/or other agents of environmental degradation (products/services). How a product or service is made or provided by the incumbent is environmentally sustainable (processes). The incumbent's work functions and outcomes are intended to be environmentally respectful and lead to value (purpose).
<b>Methodology</b>	Interviews, literature research, group discussions.
<b>Data Sources Cited</b>	<p><sup>1</sup> Van Jones, and Arianne Conrad, <u><a href="#">The Green Collar Economy: How One Solution Can Fix Our Two Biggest Problems</a></u> (New York: Harper One-Imprint of Harper Collins, 2008) 74.</p> <p><sup>2</sup> Legislative Analyst's Office, <u><a href="http://www.lao.ca.gov/2006/cal_facts2006__calfacts_econ.htm">Cal Facts 2006</a></u> (Sacramento: State of California, 2006)</p> <p><sup>3</sup> United States Census Bureau American Fact Finder, <u><a href="http://www.factfinder.census.gov/servlet/SAFFPPopulation?_submenuId=population_0&amp;....">United States -- States; and Puerto Rico, GCT-T1-R. Population Estimates (geographies ranked by estimate), Data Set: 2007 Population Estimates</a></u> (Washington DC: United States Census Bureau, 2007)</p>

<sup>4</sup> California Employment Development Department, EDD News Release No 08-74 (Sacramento: California Employment Development Department, 2008) 3.

<sup>5</sup> U.S. Department of Labor-Bureau of Labor Statistics, Economic News Release - Table A-1. Employment status of the civilian population by sex and age (Washington DC: U.S. Department of Labor-Bureau of Labor Statistics, 2008) <http://databls.gov/cgi-bin/print.pl/news.release/empsit.t01.htm>.

<sup>6</sup> U.S. Environmental Protection Agency, EPA Home-Sustainability (Washington D.C.: U.S. Environmental Protection Agency, 2008) <http://www.epa.gov/sustainability/>.

<sup>7</sup> Intergovernmental Panel on Climate Change, Climate Change 2007: Synthesis Report, An Assessment of the Intergovernmental Panel on Climate Change, Plenary XXVII, 2007 (Valencia, Spain: Intergovernmental Panel on Climate Change, 2007) 72.

<sup>8</sup> American Association for the Advancement of Science, AAAS Board Statement on Climate Change (Washington DC: AAAS, 2006) [www.aaas.org/.../mtg\\_200702/aaas\\_climate\\_statement.pdf-AAAS 1](http://www.aaas.org/.../mtg_200702/aaas_climate_statement.pdf-AAAS 1).

<sup>9</sup> American Geophysical Union, Human Impacts on Climate, Adopted by Council December 2003, Revised and Reaffirmed December, 2007 (Washington DC: AGU, 2003, 2007) [http://www.agu.org/sci\\_soc/policy/positions/climate\\_change2008.shtml](http://www.agu.org/sci_soc/policy/positions/climate_change2008.shtml).

<sup>10</sup> American Meteorological Society, Climate Change: An Information Statement of the American Meteorological Society, Adopted by AMS Council on 1 February 2007, Bull. Amer. Met. Soc., 88 (Boston: AMS, 2007) <http://www.ametsoc.org/policy2007climatechange.html>.

<sup>11</sup> Jones and Conrad 12.

<sup>12</sup> Raquel Pinderhughes, PhD, Green Collar Jobs: An Analysis of the Capacity of Green Businesses to Provide High Quality Jobs for Men and Women with Barriers to Employment (Berkeley: Pinderhughes, 2007) 3.

<sup>13</sup> United States Department of Labor-Bureau of Labor Statistics, BLS Information, Glossary (Washington DC: United States Department of Labor-Bureau of Labor Statistics, 2009) <http://www.bls.gov/bls/glossary.htm>.

<sup>14</sup> Doug Henton, John Melville, Tracey Grose, and Gabrielle Maor, Clean Technology and the Green Economy (Sacramento: California Economic Strategy Panel, 2008) 7.

<sup>15</sup> BusinessDictionary.com, job, Definition (BusinessDictionary.com, 2009) <http://www.businessdictionary.com/definition/job.html>.

<sup>16</sup> United States Department of Labor-Bureau of Labor Statistics, Frequently Asked Questions, What basic concepts are essential to understanding the OES survey? (Washington DC: United States Department of Labor-Bureau of Labor Statistics, 2009) [http://www.bls.gov/oes/oes\\_ques.htm#Ques3](http://www.bls.gov/oes/oes_ques.htm#Ques3).

<sup>17</sup> Economic Modeling Specialists, Inc., Data Spotlight: A Look at "Green" Occupations, Part 1 (Moscow, ID: Economic Modeling Specialists, Inc., 2009) [http://www.economicmodeling.com/resources/811\\_data-spotlight-a-look-at-green-occupations-part-1/](http://www.economicmodeling.com/resources/811_data-spotlight-a-look-at-green-occupations-part-1/).

<sup>18</sup> Marc Anderberg, Green Collar Workers And Other Mythical Creatures (Austin: Texas Workforce Commission-Labor Market and Career Decision Making Division, 2008) 21.

<sup>19</sup> Anderberg 22.

<sup>20</sup> Anderberg 23.

<sup>21</sup> BusinessDictionary.com, Services, Definition (BusinessDictionary.com, 2009) <http://www.businessdictionary.com/definition/services.html>.

<sup>22</sup> Debra Van Opstal, Thrive: The Skills Imperative (Washington DC: Council on Competitiveness, 2008) 22.

	<p><sup>23</sup> United States Department of Labor Employment and Training Administration, <u>Notice of Availability of Funding and Solicitation for Grant Applications (SGA) for the Science, Technology, Engineering, and Mathematics (STEM) Opportunities in the Workforce System Initiative</u> (Washington DC: Federal Register/ Vol. 73, No. 10/ Tuesday, January 15, 2008/ Notices) 2529-2530.</p> <p><sup>24</sup> Opstal 28.</p>
<b>Report Geography</b>	The United States
<b>Green Occupations Cited</b>	Electrician Deconstruction Worker Solar Sales Representative/Estimator Solar Designer/Engineer Plumber-Solar Water Heating Collectors
<b>Green Industries Cited</b>	N/A
<b>Keywords</b>	Green, Sustainable, Sustainability, Environmental, Workforce Investment, Green Job, Green Root, Green Derivative
<b>Legislation Cited</b>	<i>The Energy Independence Act of 2007</i> <i>The Green Jobs Act of 2007</i>
<b>Bibliography (Y/N)</b>	Y
<b>Reviewer Name/Org</b>	Author/SBWIB

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