

Digest of Green Reports and Studies

Title	<i>American Solar Energy's Green Collar Jobs in the U.S. and Colorado, Economic Drivers for the 21st Century</i>
Author	Bezdek, Roger H., Ph.D., Principal Investigator Management Information Services, Inc
Organization	American Solar Energy Society (ASES), Management Information Services Inc. (MISI)
Author Contact	www.misi-net.com
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URL	http://www.ases.org/images/stories/ASES/pdfs/CO_Jobs_Rpt_Jan2009_summary.pdf
Summary	<p>This study, conducted by American Solar Energy Society (ASES) and Management Information Services Inc. (MISI), focused on gathering information about the renewable energy (RE) and energy efficiency (EE) industries.</p> <p>The first goal of the study was to create a definition of the RE&EE industries that could be used industry-wide. The general summary of the definition is; "the RE&EE industry encompasses all aspects of renewable energy and energy efficiency, and includes both the direct and indirect jobs created in both these sectors." The second goal was to research the occupations and technology within the two industries, and the third was to forecast how the two industries would develop by 2030 given three different scenarios. The last part of the report is a case study of RE&EE industries in Colorado. The main finding of the study was that the United States and Colorado, as well as other states, need to take green initiatives and make investments in green industries now in order to remain competitive with green industries worldwide.</p>
Key Findings	<ul style="list-style-type: none"> • In the "base case" scenario of the 2030 forecast, renewable energy would create 1,305,000 jobs and \$98 billion in revenue, and energy efficiency would create 14,953,000 jobs and \$1,868 billion in revenue. • While Colorado is a large contributor to some renewable energy (RE) technologies, the industry does not play a large role in the state economy. • Proposals to use renewable energy (RE) jobs as a "job creation program for the disadvantaged" are unrealistic due to the small number of jobs in the industry. • "Colorado is well positioned to facilitate and take advantage of rapid growth in the renewable energy and energy efficiency (RE&EE) industries, especially compared to other states." • The renewable energy and energy efficiency (RE&EE) industries create more jobs per dollar spent than the oil and gas industry in Colorado. • "The longer the United States and Colorado delay implementing ambitious renewable energy and energy efficiency (RE&EE) programs and incentives, the more difficult it will be achieve their goals." • "Colorado education professionals will have to develop and expand education and training programs in the near future to facilitate the anticipated growth of renewable energy and energy efficiency (RE&EE)."
Recommendations	<ul style="list-style-type: none"> • The United States, as a whole, and individual states need to take initiative and invest now to grow their RE&EE industries so that they can become competitive in the world market. • The United States needs to "address policy and regulatory barriers to the sustained, orderly development of the RE&EE industries."
Definition of "Green"	None
Methodology	Surveys, literature research
Data Sources Cited	None
Report Geography	Colorado, United States
Green Occupations Cited	<ul style="list-style-type: none"> • Environmental Scientists • Biochemists and biophysicists • Forest and Conservation workers • Truck Drivers • Training and Development Specialists • See table 2 page 44 for full list
Green Industries Cited	<ul style="list-style-type: none"> • Wind Energy • Photovoltaics • Solar Thermal

	<ul style="list-style-type: none"> • Hydroelectric Power • Geothermal • Biomass • Fuel Cells • Hydrogen • ESCO • Recycling, Reuse and Manufacturing • Vehicle Manufacturing • Energy efficient appliances • Green Construction
Keywords	Ethanol; Biodiesel; Biomass Power.
Legislation Cited	2006 International Energy Conservation Code, Colorado Climate Action Plan
Bibliography (Y/N)	N
Reviewer Name/Org	D. Costello / Labor Market Information Division, California

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