

Digest of Green Reports and Studies

Title	Renewable Energy and Energy Efficiency: Economic Drivers for the 21 st Century
Author	Roger Bezdek, Principal Investigator
Organization	American Solar Energy Society
Author Contact	Not listed; author is President of MISI - http://www.misi-net.com/
Publication Type	Report – Results from Survey
Publication Date	2007
# of Pages	49
URL	http://www.ases.org/ASES-JobsReport-Final.pdf
Summary	First, they develop a working definition of renewable energy and energy efficiency. Next, they establish baseline green employment for 2006. Finally, they forecast the growth of the industry under different scenarios. They also show a case study for the State of Ohio.
Key Findings	<ul style="list-style-type: none"> • They estimate the number of renewable energy jobs at 427,000 private, 15,870 public in 2006. They disaggregate this somewhat for analysis. • They estimate the number of energy efficiency jobs at 7,892,000 private, 147,000 public in 2006. • Their forecast suggests that without major policy changes, employment in renewable energy will remain relatively stable. • Under moderate or advanced policy changes, however, they expect it to grow substantially.
Recommendations	<ul style="list-style-type: none"> • Policy recommendations are presented for each of the major categories of renewable energy. • These generally include improved access to subsidies, more consistent regulation, and extensions to guarantee existing subsidies and regulations will continue over a longer term.
Definition of “Green”	<ul style="list-style-type: none"> • They defined metrics for energy efficiency (for instance, vehicles could be counted only if they got at least 10 percent better mpg than CAFE requirements), and included all workers within a green industry. • They also included non-profits (such as ASES) and government agencies (such as DOE Laboratories).
Methodology	Their methodology is not entirely transparent, and is probably the work of the consulting firm MISI. They clearly made a list of industries (see below) and found companies that matched their criteria. However, their data source is not clear. Such a study could not be done using NAICS-based data.
Data Sources Cited	<ul style="list-style-type: none"> • Kammen, Kamal, Kapadia, Fripp – Putting Renewables to Work. • Apollo Jobs Report: For Good Jobs and Energy Independence. • Hoerner, James P. and J. Andrew. Making Green Policies Pay Off.
Report Geography	U.S./Ohio
Green Occupations Cited	Because this is an industry analysis, they include all occupations (from accountants to solar panel installers) as green.
Green Industries Cited	Wind Photovoltaics Solar Thermal Hydroelectric Power Geothermal Biomass (Ethanol, Biodiesel, Biomass Power) Fuel Cells Hydrogen Insulation ESCO Recycling Vehicle Manufacturing (hybrid/fuel efficient) Household appliances and lighting Windows and doors Computer, copiers, and FAX machines TV, video, and audio equipment HVAC systems Industrial and related machinery Miscellaneous durable manufacturing Nondurable manufacturing Utilities Construction

	Federal, State and local governments Trade associations and NGOs
Keywords	Renewable Energy Energy Efficiency Industry Employment Occupations Projection
Legislation Cited	None
Bibliography (Y/N)	No, although there are some footnotes
Reviewer Name/Org	Bastian, BLS

NOTE: This Digest is provided for information purposes only. Employment Development Department does not necessarily endorse any of these reports or publications.