

Digest of Green Reports and Studies

Title	<i>The Clean Energy Economy: Repowering Jobs, Businesses and Investments Across America</i>
Author	Multiple Contributors
Organization	The PEW Charitable Trusts
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Publication Type	Report
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URL	http://www.pewcenteronthestates.org/uploadedFiles/Clean_Economy_Report_Web.pdf
Summary	More environmentally conscious occupations can be found throughout the country and by some has been labeled the clean energy economy. Both national and statewide, governments are implementing policies and significant incentives to encourage private and public sector employers to develop new technologies, infrastructure and processes for clean energy, efficiency and conservation." Pew will be conducting follow up research to see which of the methods (policies, standards, incentives...) are more effective in "generating jobs, businesses and investments in the clean energy economy."
Key Findings	<p>Original analysis that shows the clean energy economy is growing to become an important aspect of America's economy. Each state is involved in it currently.</p> <p>The number of jobs in the emerging clean energy economy, between 1998 and 2007, grew by 9.1 percent; overall job growth for the same time period was 3.7 percent. The rate of Investments in clean energy projects is also higher than the rate for other industries.</p> <p>The categories of the clean energy economy should remain constant, while the occupations and businesses may vary. The first three categories are expected to have the most rapid growth. Currently about 65 percent of clean energy economy jobs are in the fourth category.</p> <ol style="list-style-type: none"> 1. Clean Energy 2. Energy Efficiency 3. Environmentally Friendly Production 4. Conservation and Pollution Mitigation 5. Training and Support
Recommendations	<p>The clean energy economy is fairly new, but it is growing and should be expected to be a "vital component of America's economic landscape."</p> <p>If policy makers are not actively participating and acting quickly, their states could "lose opportunities for new jobs, businesses and investments."</p>
Definition of "Green"	In lieu of the term "green," Pew used the synonymous term, "clean "to describe this evolving technology. Pew's definition of the term is as follows: "A clean energy economy generates jobs, businesses and investments while expanding clean energy production, increasing energy efficiency, reducing greenhouse gas emissions, waste and pollution, and conserving water and other natural resources."
Methodology	Analysis included counting "actual jobs, businesses and investments for each of the 50 states and the District of Columbia." Pew maintains that the numbers in their report are conservative due to three reasons: (1) Adherence to a "stringent definition of the clean energy economy;" (2) Only companies that could be verified as "being actively engaged in the clean energy economy" were cited (3) Pew "counted only companies and jobs on the supply side, not the demand side, of the clean energy economy."
Data Sources Cited	<ul style="list-style-type: none"> • U.S. Bureau of Labor Statistics • National Governors Association • American Council for an Energy-Efficient Economy (ACEEE) • Michigan Department of Energy, Labor and Economic Growth • Center for American Progress and the Political Economic Research Institute at the University of Massachusetts Amherst (CAP/PERI) • U.S. Department of Energy, Energy Efficiency and Renewable Energy, Federal Energy Management Program • EPA Green Power Partnership • World Resources Institute, Sustainable Enterprise Program • Center for Resource Solutions, Green-e Renewable Energy Certification Program • U.S. Department of Energy Hydrogen Program • U.S. Department of Energy, Energy Efficiency and Renewable Energy Program: Wind and

	<p>Hydropower Technologies</p> <ul style="list-style-type: none"> • U.S. Department of Energy, Energy Efficiency and Renewable Energy Program: Geothermal Technologies Program • New York Times • Journal of Industrial Ecology • U.S. Department of Energy and U.S. Department of Agriculture • Board on Energy and Environmental Systems, National Research Council and Curt Suplee • U.S. Environmental Protection Agency • U.S. Department of Energy, “Clean Coal and Natural Gas Power Systems” • Biotechnology Industry Organization • Center for Workforce Development at Rutgers University • U.S. Environmental Protection Agency Office of Solid Waste • RecycleBank • U.S. Department of Energy, “Electricity Delivery and Energy Reliability: Distributed Energy Program” • Cleantech Group • Project FROG • The Innovation Alliance • MoneyTree • Maryland Clean Energy Center • Database of State Incentives for Renewables and Efficiency • American Wind Energy Association • American Council for an Energy-Efficient Economy (ACEEE) • Presidential Memorandum – The Energy Independence and Security Act of 2007 • Journal of Business Venturing • Small Business Economics • Various Interviews <p>Note: Although there is no bibliography, there are references listed in the endnotes and appendices.</p>
Report Geography	United States
Green Occupations Cited	<ul style="list-style-type: none"> • Wind Turbine Technicians • Solar Panel Electricians/Installers • Fuel Cell Engineers • Electricians • Electrical Engineers • Plumbers • Plant Operators • Mechanics • Researchers • Chemists
Green Industries Cited	<ul style="list-style-type: none"> • Energy Generation • Energy Transmission • Energy Storage • Energy Efficiency • Transportation • Manufacturing • Construction • Agriculture • Energy Production • Recycling • Finance/Investment • Research and Advocacy
Keywords	Solar; wind; turbine; hydro; biomass; geothermal; fuel cell; hybrid; recycling; conservation.
Legislation Cited	<ul style="list-style-type: none"> • ARRA – American Recovery and Reinvestment Act • EPA’s Energy Star and Water Sense certification and labeling initiatives • Energy Independence and Security Act of 2007 • American Clean Energy and Security Act
Bibliography (Y/N)	N
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