Digest of Green Reports and Studies

Title	Greening of the World of Work: Implications for O*NET®-SOC and New and Emerging Occupations
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Summary	This report is an investigation of current research on green occupations and the impact the green economy has on current classifications, skills, job descriptions and demand for workers. To determine the effect of new & emerging (N&E) technologies on current O*NET®-SOC occupations and update the O*NET-SOC system, 60 publications related to the green economy's influence on current workplace conditions were reviewed.
	The term "green" has become very broad in terms of products, lifestyle, and business practices. The goal of this report is to focus on the financial and intellectual investment needed to support a greener economy. The report focuses on the "greening" of occupations in 12 green sectors to determine how emerging technologies will affect workplace activities, performance, and staffing. Occupations are organized into "Green Increased Demand Occupations", "Green Enhanced Skills Occupations", and "Green New and Emerging (N&E) Occupations."
	Research for this report indicated 64 "green increased demand" occupations, 60 "green enhanced skills" occupations and 45 "new & emerging" occupations. "Green enhanced skills" occupations may require new certifications or training to prepare for changes in tasks, skills, and knowledge, while "N&E" occupations create a need for a new occupational classification in the O*NET taxonomy. The information in this report will assist employers, career counselors, and training programs prepare for a greener economy.
	Report submitted by the National Center for O*NET Development for the U.S. Department of Labor, Employment and Training Administration, Office of Workforce Investment, Division of Workforce System Support Washington, DC. Authors are Erich C. Dierdorff, Jennifer J. Norton, Donald W. Drewes, & Christina M. Kroustalis from North Carolina State University and David Rivkin & Phil Lewis from the National Center for O*NET Development.
Key Findings	 The "greener" economy is affecting the way businesses operate and workers perform by: Creating new occupations Changing the world of work Increasing demand in existing occupations
	 2. Technology is at the heart of the green economy. Innovations in technology drive the green economy Understanding the development of green technology will provide information needed to drive and stimulate the workforce. "Renewable energy generation" is seeing the greatest growth, while the "Energy and Carbon Capture and Storage" sector may have limited growth in the near future.
Recommendations	General literature, reports, and data on the green economy will need continual analysis and interpretation to delineate implications for occupational requirements including duties, technology, knowledge, etc. to keep the O*NET-SOC taxonomy current and relevant.

Definition of "Green"	 For the purposes of the O*NET system, and general occupational analysis, the information on green jobs and the green economy needs to be focused on occupational roles, tools, technology, etc. Therefore the most relevant definition of "green" applies to the "greening" of occupations. "The "greening" of occupations refers to the extent to which green economy activities and technologies increase the demand for existing occupations, shape the work and worker requirements needed for occupational performance, or generate unique work and worker requirements."
Methodology	Research for this report included over 60 publications including academic journals, reports, white papers, governmental reports, technical reports, and internet sources. See the references section for a full list.
Data Sources Cited	U.S. Bureau of Labor Statistics, U.S. Conference of Mayors and Global Insight, U.S. Department of Labor, Occupational Outlook Handbook, 2008-09 Edition (BLS), Department of Labor Career Guide to Industries (BLS), Labor Market and Career Information Department, Texas Workforce Commission. Initial Washington Green Economy Industry List (2008, July) (LMID), Going from "Blue Collar" to "Green Collar" in Work Force Development (LMID), Department of Energy.
Report Geography	United States
Green Occupations Cited	There are 262 green occupations with SOC codes listed in Appendices A-F. See Report for details.
Green Industries Cited	None
Keywords	Emerging; occupations; sectors; greening; demand; skills.
Legislation Cited	42 U.S.C. 65 - Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (and Superfund Amendments and Reauthorization Act [SARA] of 1986) 33 U.S.C. 1251 Federal Clean Water Act of 1972 42 U.S.C. 85 Federal Clean Air Act of 1990
Bibliography (Y/N)	Y
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