

Digest of Green Reports and Studies

Title	U. S Green Building Council Green Jobs Study
Author	Booz/Allen/Hamilton for the U.S. Green Building Council
Organization	Booz/Allen/Hamilton
Author Contact	
Publication Type	Job Impact Study
Publication Date	November 2009
# of Pages	52 pp.
URL	http://www.boozallen.com/news/42747101
Summary	Booz/Allen/Hamilton was asked by the U.S. Green Building Council (USGBC) to conduct a study on the estimated amount of current and future jobs that have been or would be associated with the Green Construction market. Currently, the Green Construction market provides more than two million jobs and produces over \$100 billion in gross domestic product and wages. Over the next four years (2009-2013), Green construction would provide an estimated eight million jobs, produce over \$500 billion in gross domestic product, and provide nearly \$400 billion in wages. Also, included in this study is the estimate on the current and future jobs created by the USGBC's development of the LEED rating system. According to the study, "LEED related construction spending currently supports 15,000 jobs and over the next four years (2009-2013) it is forecasted to support 230,000 jobs."
Key Findings	<p>Green Construction Market</p> <ul style="list-style-type: none"> • "From 2000 to 2008, the market generated \$173 billion in GDP; supported over 2.4 million jobs; and provided \$123 billion in labor earnings." • "From 2009 to 2013, the market will generate an additional \$554 billion in GDP; support over 7.9 million jobs; and provide \$396 billion in labor earnings." <p>LEED related construction spending</p> <ul style="list-style-type: none"> • "Between 2000–2008, LEED construction spending has generated \$830 million in GDP; supported 15,000 jobs; and provided \$703 million in labor earnings." • "Between 2009–2013, LEED construction spending has been forecasted to generate an additional \$12.5 billion in GDP; support 230,000 jobs; provide \$10.7 billion in labor earning."
Recommendations	N/A
Definition of "Green"	McGraw Hill Construction's "Green Construction Market" Definition: <i>"We define green building as one built to LEED standards, an equivalent green building certification program, or one that incorporates numerous green building elements across five category areas: energy efficiency, water efficiency, resource efficiency, responsible site management and improved indoor air quality. Projects that only feature a few green building products (e.g., HVAC systems, waterless urinals) or that only address one aspect of a green building, such as energy efficiency, are not included in this calculation."</i>
Methodology	Literature and Data Research
Data Sources Cited	U.S. Bureau of Economic Analysis U.S. Bureau of Labor Statistics, Occupational Outlook Handbook U.S. Environmental Protection Agency U.S. Green Building Council Energy Information Agency McGraw Hill Construction, 2008 Green Construction Outlook Report Minnesota IMPLAN Group (MIG), IMPLAN (Impact analysis for Planning) Manual, 2003 North American Industry Classification System
Report Geography	United States
Green Occupations Cited	<ul style="list-style-type: none"> • Construction Managers • Civil Engineers • Secretaries (not Executive, Legal, or Medical) • Carpenters • Construction Laborers • Truck Drivers, Heavy or Tractor-Trailer • Cost Estimators • Real Estate Sales Agents • Janitors and Cleaners (not Maids or Housekeeping) • Engineering Managers • Accountants and Auditors • Electrical Engineers • Customer Service Representatives

	<ul style="list-style-type: none"> • Electric Power Line Installers and Repairers • Power Plant Operators • Electrical Repairers, Powerhouse, Substation, and Relay • Plumbers, Pipefitters, and Steamfitters • Maintenance and Repair Workers, General • General and Operations Managers • Water and Liquid Waste Treatment System Operators • Meter Readers, Utilities • Laborers and Freight, Stock, and Material Hand Movers • Truck Drivers, Heavy and Tractor Trailer • Refuse and Recyclable Material Collectors • General and Operations Managers • Bus and Truck Mechanics and Diesel Engine Specialists • Sales Representatives, Services, Other • Hazardous Materials Removal Workers
Green Industries Cited	<p>Nonresidential construction (NAICS code: 236200) Residential construction (NAICS code: 236100) Electric power generation, transmission, and distribution (NAICS code: 221100) Water, sewage, and other water treatment systems (NAICS code: 221300) Waste management and remediation services (NAICS code: 56200)</p>
Keywords	Green Construction Market; Green Building; LEED
Legislation Cited	N/A
Bibliography (Y/N)	N
Reviewer Name/Org	Tammy Gregory – CA/LMID/ORG

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