



GREEN BUILDING FACTS

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Green Building by the Numbers

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*The value of green building construction is projected to increase to \$60 billion by 2010.
(Source: McGraw-Hill Construction Analytics, SmartMarket Trends Report 2008)*

*The construction market accounts for 14.2%
of the \$10 trillion U.S. GDP (Source: 2006 DOE Buildings Energy Data Book).*

*By 2009, 80% of corporate America is expected to be engaged in green at least 16%
of the time, and 20% will be engaged in green 60% of the time (Source: McGraw Hill
Construction, Greening of Corporate America SmartMarket Report, 2007).*

*The green building products market is projected to be worth \$30-\$40 billion annually
by 2010 (Source: Green Building Alliance).*

U.S. Green Building Council:

Membership

- 16,727 member organizations including corporations, governmental agencies, nonprofits and others from throughout the industry.
- Since 2000, USGBC's membership has more than tripled.

LEED® Green Building Certification System

- The LEED for New Construction rating system was first released in 2000.
- LEED for Commercial Interiors and Existing Buildings became available in 2004.
- LEED for Core & Shell became available in July 2006 for spec developments.
- LEED for Homes was launched in December 2007.
- LEED for Neighborhood Development, Retail and Healthcare are currently in pilot test.
- Over 3.6 billion square feet of commercial building space is involved with the LEED green building certification system.
- By 2010, approximately 10% of commercial construction starts are expected to be green, according to McGraw Hill Green Building Smart Market Report 2006.
- Every business day, \$464 million worth of construction registers with LEED.

	New Construction	Commercial Interiors	Existing Buildings	Core & Shell	Neighborhood Development	Schools	Retail	Total
LEED Registered Projects	8,088	1,390	1,775	1,763	234	397	94	13,741
Certified Projects	1,212	294	102	91			6	1,705

- There are LEED projects in all 50 states and 69 countries.
- Owners of LEED-registered and certified projects represent a diverse cross-section of the industry.

Education & Accreditation

- LEED workshop attendance: 83,136
- LEED Accredited Professionals: 57,417
- Greenbuild Attendees 2007: 22,835
- Greenbuild Attendees 2006: 13,382

Size and Impact of the U.S. Built Environment

Construction yields an annual output of U.S. \$4.6 trillion, contributing to 8-10% of the global Gross Domestic Product encompassing a workforce of 120 million people and billions of transactions each day. *Source: Asia Construct, Euro Construct and National Statistics, 2006.*

Comprises 14.2% of the \$10 trillion U.S. GDP. This includes all commercial, residential, industrial and infrastructure construction. Commercial and residential building construction constitutes 9% of the GDP. *Source: 2006 U.S. DOE Buildings Energy Data Book.*

Energy consumption

- Buildings represent 39% of U.S. primary energy use (includes fuel input for production). *Source: 2003 U.S. DOE Buildings Energy Data Book.*
- Buildings are one of the heaviest consumers of natural resources and account for a significant portion of the greenhouse gas emissions that affect climate change. In the U.S., buildings account for 39% of all CO2 emissions. *Source: EIA Annual Energy Review 2005. U.S. Energy Information Administration, U.S. Department of Energy.*

Electricity consumption

- Buildings represent 70% of U.S consumption. *Source: 2003 U.S. DOE Buildings Energy Data Book.*

Water use:

- Buildings use 12.2% of all potable water, or 15 trillion gallons per year. *Source: U.S. Geological Service, 1995 data.*

Materials use:

- Buildings use 40% of raw materials globally (3 billion tons annually). *Source: Lenssen and Roodman, 1995, "Worldwatch Paper 124: A Building Revolution: How Ecology and Health Concerns are Transforming Construction," Worldwatch Institute.*

Waste:

- The EPA estimates that 136 million tons of building-related construction and demolition (C&D) debris was generated in the U.S. in a single year. *Source: <http://www.epa.gov/epaoswer/non-hw/debris/about.htm>, and U.S. EPA Characterization of Construction and Demolition Debris in the United States, 1997 Update.*
- Compare that to 209.7 million tons of municipal solid waste generated in the same year. *Source: U.S. EPA Characterization of Municipal Solid Waste in the United States, 1997 Update. Report No. EPA530-R-98-007*

Sectors Expected to Have Green Building Growth

- Education
- Government
- Institutional
- Office
- Healthcare
- Hospitality
- Retail

Source: McGraw Hill Construction 2007.

The three largest segments for nonresidential green building construction—office, education and health care—will account for more than 80 percent of total nonresidential green construction in 2008. *Source: FMI's 2008 U.S. Construction Overview.*

What's Driving Green Building

These factors are expediting the growth of green building:

1. Unprecedented level of government initiatives
2. Heightened residential demand for green construction
3. Improvements in sustainable materials.

Source: FMI's 2008 U.S. Construction Overview.