# Green Building Update

an Allen Matkins market intelligence publication

# Allen Matkins

May 27, 2010

# Study: Green building certifications to grow 900% worldwide by 2020

Mother Nature Network - May 18

A new study from Pike Research 2010 predicts that green certified buildings will grow from 6 billion sq. ft. in 2010 to 53 billion sq. ft. worldwide by 2020 with 80% of the certified projects coming from the commercial sector. Three trends are driving this growth: (1) the attractiveness of green-certified commercial space to corporations; (2) the potential savings from energy efficiency; and (3) the growing list of government regulations mandating green and sustainable buildings. The USGBC's <u>LEED</u> rating system is the most commonly used rating system in the U.S., the Building Research Establishment Environmental Assessment Method (BREEAM) is the most frequently used rating system in Europe, and LEED-related systems are emerging in China, India and throughout the world.

#### GREEN BUILDING FOCUS

# Study: ASHRAE finds 6 guides series advances energy savings

ThomasNet Industrial News Room - May 20

ASHRAE found that the Advanced Energy Design Guide (a series of 6 guides) is having a positive impact on the building industry and is in line with goals to achieve 30% energy savings over the minimum code requirements of ANSI/ASHRAE/IESNA Standard 90.1-1999, Energy Standard for Buildings Except Low-Rise Residential Buildings. Click <a href="https://example.com/here">here</a> for the 6 guides.

## Study: Gen Y wants green workplaces

BusinessGreen - May 20

According to Johnson Controls' new study, 18- to 25-year-olds (Gen Y) want urban, flexible, collaborative, environmentally sensitive and unconventional work settings.

### Sacramento launches green initiative

Sacramento Business Journal - May 18

Sacramento announced its desire to become the greenest region in the country and an economic hub for green technology. Sacramento wants to move from an economy heavily reliant on government and real estate to a clean-tech economy. According to Major Johnson, the region (1) was awarded more than \$225 million in federal stimulus funds for clean-tech efforts, (2) experienced an 87% growth in green jobs over the past 13 years, (3) has two cutting-edge utility companies, and (4) has the <u>University of California Davis</u>, which has a bigger R&D budget than Stanford or MIT.

### Green real estate investment seminar

EcoRockStars - May 24

Sustainability consultant and investor Jim Simcoe will host a green real estate

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investment seminar on July 30 – 31, 2010, in San Diego on becoming a green investor, leveraging rebate and stimulus fund dollars, and becoming a green expert. Register at <a href="https://www.ecorockstars.com">www.ecorockstars.com</a>.

### Life cycle analysis needed in green rating systems

Journal of Commerce - May 19

A Life Cycle Assessment (LCA) for materials should be emphasized in all green building rating systems according to Helen Goodland, Executive Director for the Light House Sustainable Building Centre. LCA tracks the environmental impacts of a given product throughout its life-span, not just when it appears at the construction site. Goodland believes rating systems ignore most renewable building materials' intrinsic and unique features, such as carbon footprint, thermal mass and acoustic values. Goodland advocates using the International Organization for Standards (ISO) 14040 protocol to "capture the whole embodied energy footprint" of a product and LCA software tools such as Athena EcoCalculator and Athena Impact Estimator.

### New green building law in Wisconsin

State Bar of Wisconsin - May 24

Wisconsin's Senate Bill 616 requires that plans and specifications for major state construction projects conform with LEED Silver requirements. As of April 1, 2010, the USGBC <u>reported</u> that "various LEED initiatives including legislation, executive orders, resolutions, ordinances, policies and incentives are found in 45 states ... 34 state governments, 14 federal agencies or departments, 17 public school jurisdictions and 41 institutions of higher education across the United States." In addition, California adopted the first-inthe-nation mandatory Green Building Standards Code for all new buildings effective January 1, 2011.

# EPA links utilities with customers for energy savings

EPA - May 5

The EPA announced a new Energy Star pilot program designed to further improve commercial building energy efficiency. The program will link commercial customers with one of eight Energy Star partner utilities and state energy efficiency programs throughout the country in a pilot program designed to strategically pursue whole-building energy improvements with commercial customers. The eight partners are Commonwealth Edison, Mass Save, MidAmerican, National Grid, New Jersey's Clean Energy Program, Pacific Gas & Electric, Southern California Edison and Focus on Energy.

#### NOTABLE GREEN BUILDING PROJECTS

#### NGA - largest federal LEED-Silver building

FederalTimes.com - May 11

The National Geospatial-Intelligence Agency's new \$1.8 billion, 2.4 million sq. ft. headquarters in northern Virginia will be the largest federal facility to earn LEED Silver or Gold and will feature an HVAC system that uses chilled beams instead of overhead ductwork.

#### IFC headquarters earns LEED-EBOM Platinum

GreenerBuildings - May 20

The International Finance Corporation headquarters in Washington, D.C.,











earned LEED-EBO&M Platinum and features water reduction measures, renewable energy from Wind Current, and native landscaping.

### Starbucks greens 16,000 locations

Environmental News Network - May 17

Starbucks will green approximately 16,000 stores around the world with a new design inspired by Starbucks Shared Planet. The stores will feature ethical sourcing, environmental stewardship and community involvement. Also, a Starbucks store in New York applied for LEED certification under the Volume Certification pilot program.

#### NYC's second tallest building earns LEED Platinum

Mother Nature Network - May 20

The Bank of America Tower, New York City's second-tallest building, earned LEED Platinum and features water and energy efficiency, indoor air quality, and green materials.

#### Hines' 525 B Street earns LEED Silver

Hines - May 17

The Hines' building, at 525 B Street in San Diego, earned LEED-EB Silver. The building is 46% more energy efficient and saves \$1.77 per sq. ft. annually compared to the average office building.

#### Video: PepsiCo's green roof in Chicago

ABC News - May 21

ABC News examines PepsiCo's green building in Chicago, which features a green roof and training for employees, customers, and guests on sustainable business practices.

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