



Green Building in Illinois

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U.S. Green Building Council - Illinois Chapter





USGBC-ILLINOIS AT A GLANCE

The U.S. Green Building Council - Illinois Chapter is a nonprofit membership driven organization that advances buildings and communities that are sustainable, prosperous and healthy. We achieve this through education, advocacy, and collaboration.

OUR MEMBERSHIP

1,000+ members

15,000+ online followers

132 new members so far this year

4,792 LEED-Credentialed Professionals in Illinois

105 educational events, building tours, webinars and conferences last year with nearly 5,000 participants

12 volunteer-led branches and committees across Illinois



TOP 10 STATES FOR LEED

#1 ILLINOIS

Illinois has led the nation in green building, recognized as the state with the most LEED-certified square footage per capita in 2013, 2014 and 2015; #3 in 2016.

The reason? Commitment and passion from a unique mix of industry professionals and companies that have long made sustainability a priority.



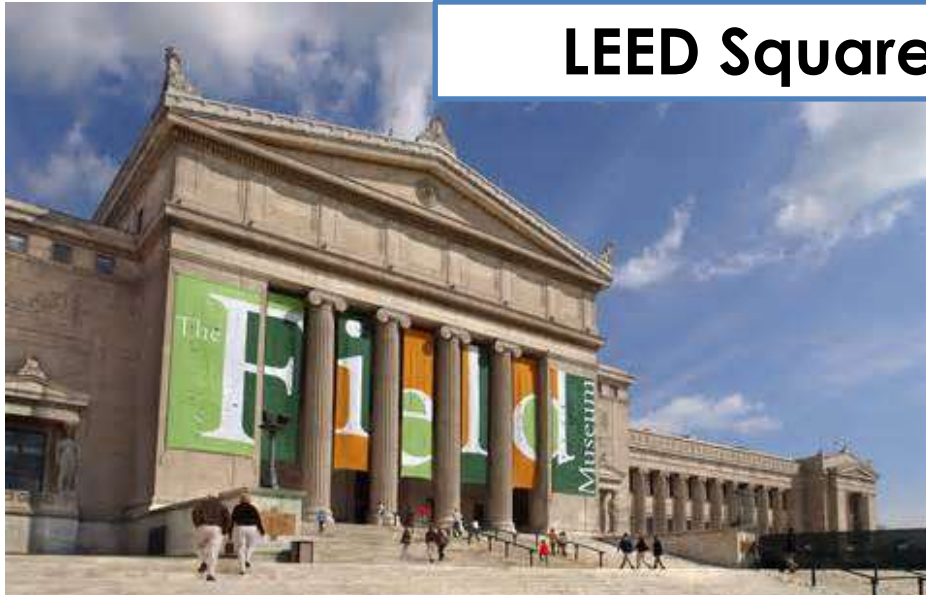
ILLINOIS



1.6 MILLION

square feet certifies to LEED[®]
EACH DAY

LEED Square Footage!





PEOPLE



96 % of CEOs say that sustainability issues should be integrated into corporate strategy and operations
(Accenture)

76% of executives anticipate their company's core business objectives to be affected by natural resource shortages in the next three to five years **(Ernst and Young)**

62% of companies link sustainability and financial incentives; 30% said efforts have increased profits **(MIT Sloan / BCG)**



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Policies and incentives:

- State of Illinois
- Chicago Standard
- Chicago Sustainable Development Policy
- Future Energy Jobs Bill
- Energy & Water Benchmarking Ordinances
- Cook County Ordinances
- Municipality programs



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Barriers to green building...

- Myth #1: Sustainable design costs too much
- Myth #2: Sustainable design takes more time
- Myth #3: Sustainability equals technology

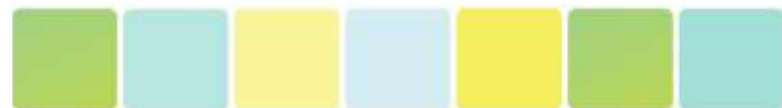


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Advocacy & Education:

- Greenbuilt Home Tour
- Green Schools Symposium
- Green Apple Day of Service
- Rating System Workshops
- Best Practice Sharing Programs
- Organization Partner Programs

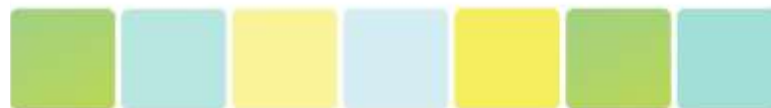


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LIVING HEALTHY AND SAVING GREEN

- **Saturday, July 22 & Sunday, July 23**
- 10:00 AM – 4:00 PM
- Passport \$20 (admits 2); Single Homes \$5
- 12 tour stops
- Volunteer opportunities available
- www.greenbuilthometour.org



ILLINOIS

2017 Featured Homes

Click on each 2017 Home Profile below to learn about the unique green features in each home and about the builders and suppliers who were part of these energy efficient and healthy projects. Learn more about third-party verified green home programs [here](#).



Acorn Glade Passive House, 4737 Puffer Rd., Downers Grove, IL 60515



All Electric Riverfront Eco Home, 2557 W. Pensacola Ave., Chicago, IL 60618



BrightLeaf Eco 3, 1114 Stone Ave., La Grange, IL 60525



Charles Heppner Artist Studio, 8628 S. Marquette Ave., Chicago, IL 60617



Commuter's Craftsman, 1908 Hitchcock Ave., Downers Grove, IL 60515



Ellis Passivhaus, 5485 S. Ellis Ave., Chicago, IL 60615



Evanston's First LEED Home, 1426 Mulford St., Evanston, IL 60202



Net-Zero Passive Country House, 5644 S. Iowa Dr, Pembroke Township, IL 60958



+Plus House, 919 W. Cullerton St., Chicago, IL 60608



Swainson's House at Serosun Farms, 45W489 Berner Rd., Hampshire, IL 60140



West Town GreenStar Retrofit, 2219 W. Cortez St., Chicago, IL 60622





HERS Rating

- A measure that cuts across green certifications, the Home Energy Rating System (HERS) Index is the industry standard by which a home's energy efficiency is measured.
- It's also the nationally recognized system for inspecting and calculating a home's energy performance.
- A certified Home Energy Rater assesses the energy efficiency of a home, assigning it a relative performance score.
- The lower the number, the more energy efficient the home.





ENERGY STAR Certified Homes

- Focuses on energy and water efficiency and indoor air quality
- Efficient Walls and Windows
- Efficient Air Ducts
- Efficient Equipment for heating and cooling
- Efficient Lighting and Appliances,

- Requires working with a Home Energy Rater (HERS) to verify that the resulting HERS Index meets or exceeds the ENERGY STAR HERS Index Target



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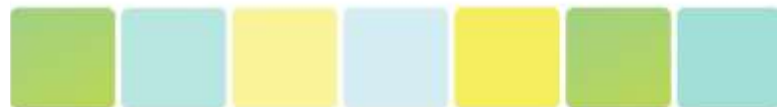


DOE Zero Net Energy Home

- Formerly DOE Challenge Home
- Verified by a qualified third-party
- At least 40%-50% more energy efficient than a typical new home
- A DOE Zero Energy Ready Home is a high performance home which is so energy efficient, that a renewable energy system can offset all or most of its annual energy consumption.



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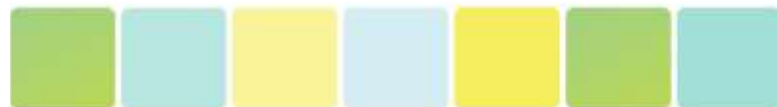


LEED for Homes

- Third party-verified rating system for design and construction of homes
- Measures performance based on eight categories:
 - Site selection, water efficiency, materials & resources, energy & atmosphere, indoor environmental quality, location & linkages, awareness & education, and innovation.
- Requires onsite inspections and performance testing from a LEED Green Rater



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Passive House (PHIUS+)

- Consume 86% less energy for heating and 46% less energy for cooling when compared to a code-compliant building
- Stringent Quality Assurance and Quality Control (QA/QC) program and on-site testing
- Uses the Energy Star and DOE Zero Energy Ready Home programs as prerequisites
- Required to meet cost-optimized aggressive climate specific energy targets



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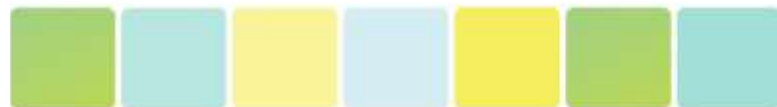


GreenStar Certification

- Applies to both remodeling and new construction
- Looks at how green measures are applied to 7 components of a home including:
 - Outdoor/Site, Building Envelope Systems, Mechanicals, Electrical/ Lighting, Plumbing Systems and Fixtures, Finish Materials and Coatings and Waste Management
- Greenstar raters and quality assurance reviewers help ensure what was planned was done in the home



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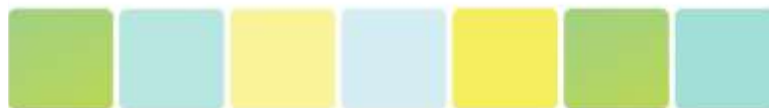
Green Pro Directory



GOING GREEN?

Find your sustainable professional in the GreenPro Directory

SEARCH NOW



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Energy Efficiency Ambassadors



ILLINOIS

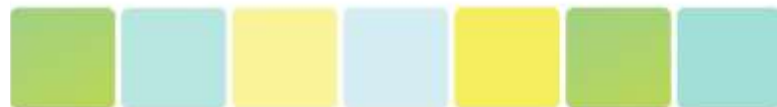


Energy Efficiency Ambassadors

- **Smart Meters:** Access your electricity usage info 24/7 and understand how much energy you're using and when
- **Smart Meter Connected Devices:** Take advantage of your smart meter data!
- **ComEd's Hourly Pricing Program:** Avoid using electricity when hourly prices are high
- **Energy Audit & Energy Assessments:** FREE programs from Elevate Energy and ComEd programs



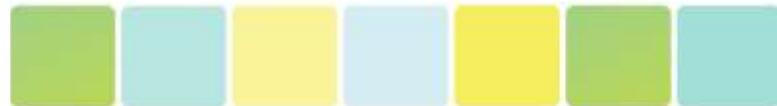
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Volunteer! Spread the Word!



**VOLUNTEER
FOR THE
2017 TOUR**



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What's big and what's next?

- Voluntary Benchmarking Challenges
- Material Transparency / Produce Declarations
- Biomimicry and Resilience
- Health and Wellness
- **Greenbuild 2018 in Chicago!**



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Questions?

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