

Beyond LEED: Expanding World of Green Building Certification

ABC Green Building Committee Webinar
October 7, 2015



Paladino^{•••}



Hi there.

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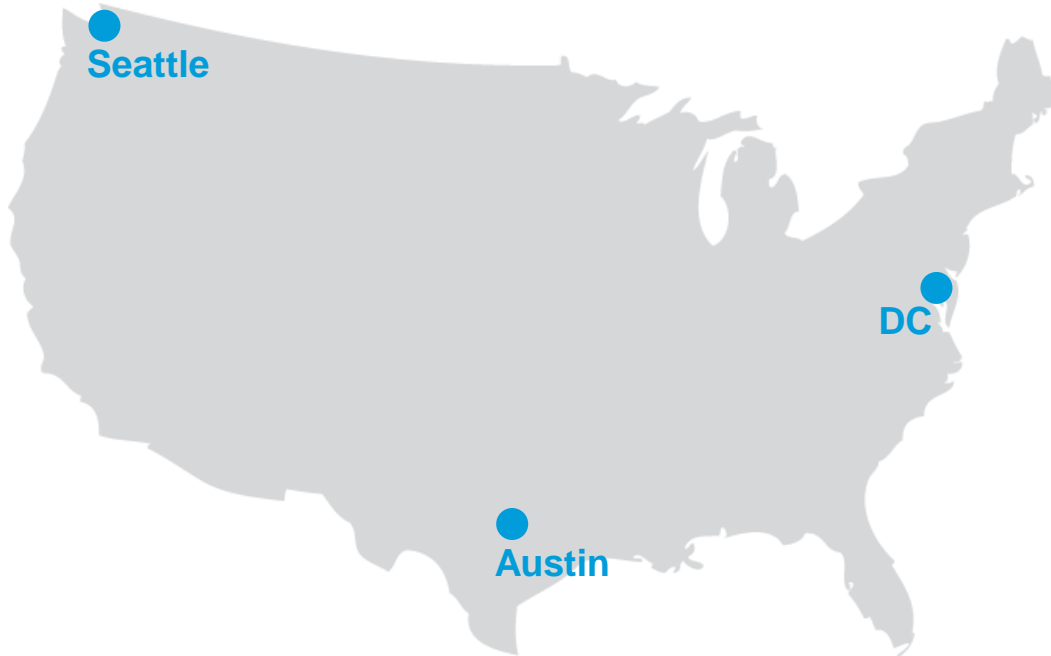
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#RatingFrenzy

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Paladino



40 staff nationwide

21 years in business

250+ years combined sustainability experience

Over **2000** green projects internationally

Total construction value over **\$8** billion

650+ LEED certified buildings

160 at Gold or higher

Rating Systems Frenzy

Single Attribute Rating Systems
Full Building Certifications
Local Programs

Single Attribute - Energy



Score 1-100



Score: lower = better



Passive House Institute US

Climate-specific
performance targets

Single Attribute - Other



Sustainable sites initiative

Points-based - Certified, Silver, Gold, Platinum

Ecosystem services, resiliency, human health, water



Score 1-100

Full building certification

- GRI - ANSI
- Self-Assessment, Questionnaire-based

Green Globes



- Residential and commercial
- Silver, Gold, Platinum, Net Zero

Earth Advantage



- ICC 700; NAHB; Residential focus
- Accredited verifier scoring & on-site review

National Green Building Standard



Full building certification

- Affordable Housing
- Mandatory measures + point minimum

Enterprise
Green
Communities



- Compliance option for IgCC
- HERS Index Score: lower = better

ASHRAE
189.1

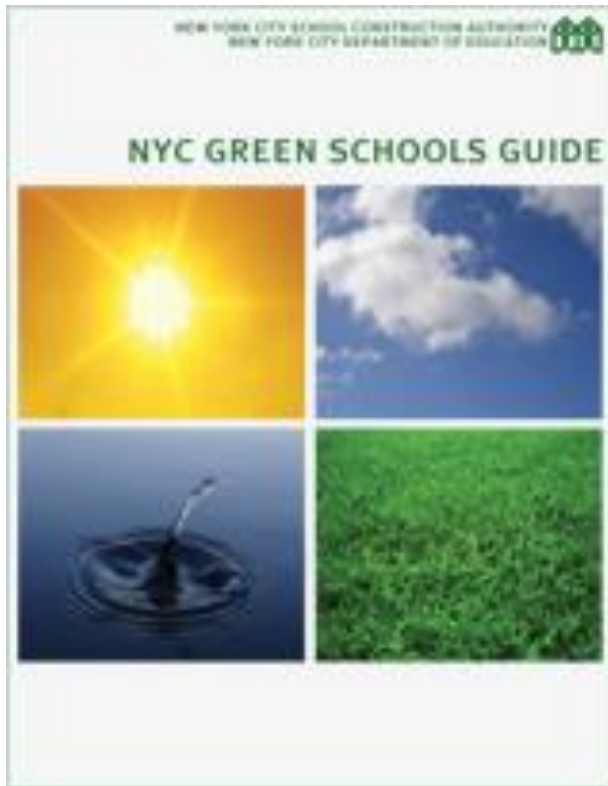


- BRE Environmental Establishment Method
- International assessment method

BREEAM



Local programs



A Closer Look



A graphic for LEED v4 featuring the text 'LEED' in large grey letters and 'v4' in a large yellow circle. Surrounding the text are several circular icons: a green plant, a blue bus, a brown share icon, a grey building, a yellow sun, a light blue water drop, an orange magnifying glass, a blue wind turbine, a brown person walking, an orange speech bubble, and a green recycling symbol.

LEED

v4



Technical
rigor

Balances
multiple
factors

LEED v2009
sunset date:
10/31/16

vs. v2009

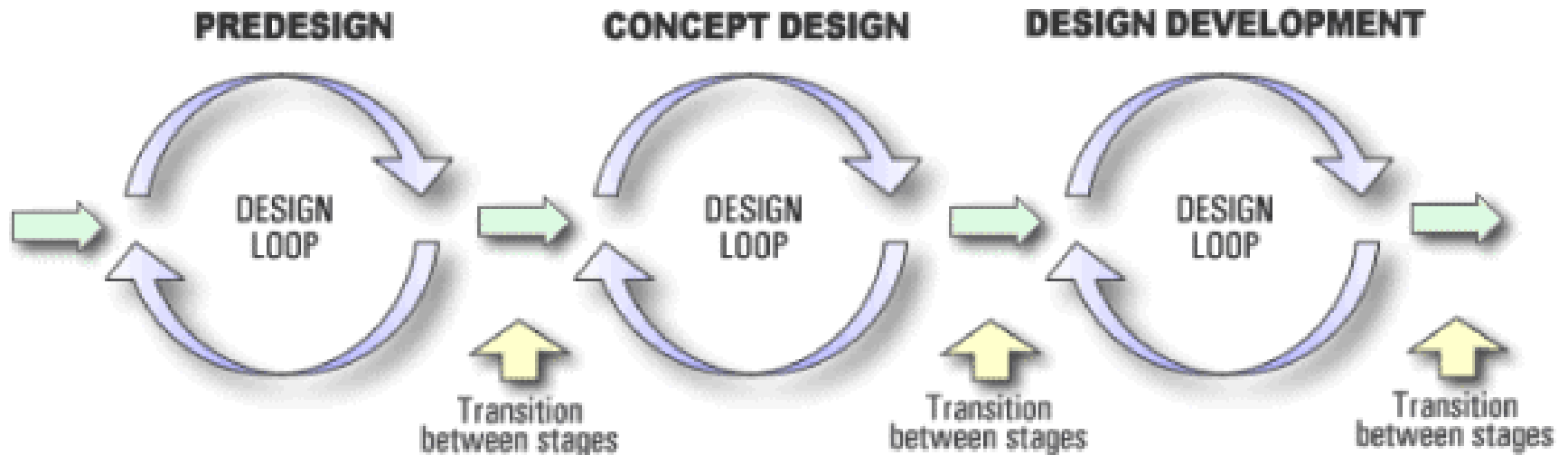
BIGGEST CHANGES

Materials



- Lifecycle approach to building and material specification
- Innovative manufacturer reporting tools and programs
- Encourages products extracted domestic and local sources

Integrated design



Supports early design analyses and project team collaboration

Sites



- Separate Location & Transportation categories
- Increased requirements and reduced documentation for rainwater, heat island, and light pollution credits.

Standards



- Energy - ASHRAE 90.1-2010 baseline
- Ventilation - ASHRAE 62.1-2010
- Whole building level energy and water metering required
- VOCs – CDPH



THE **WELL** BUILDING STANDARD®

VERSION 1.0



THE **WELL** BUILDING STANDARD®

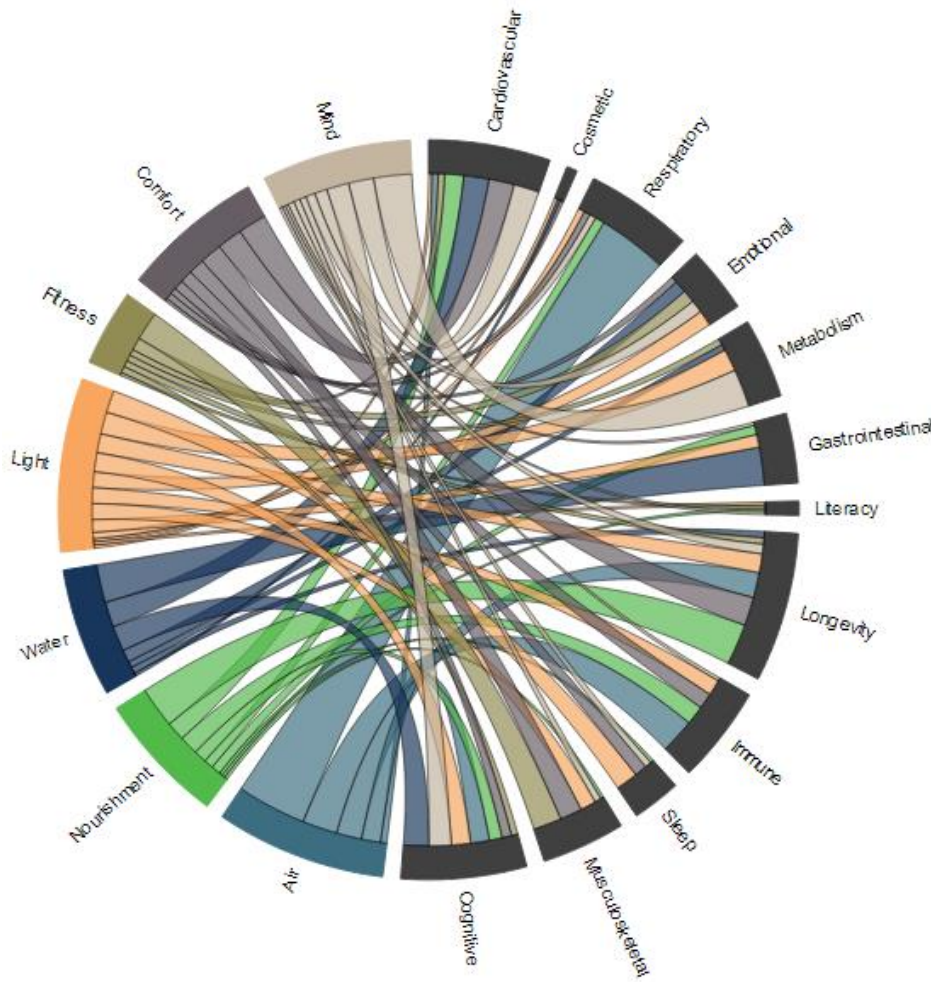
Human
health &
wellness

Design +
Construction
+ Research

IWBI

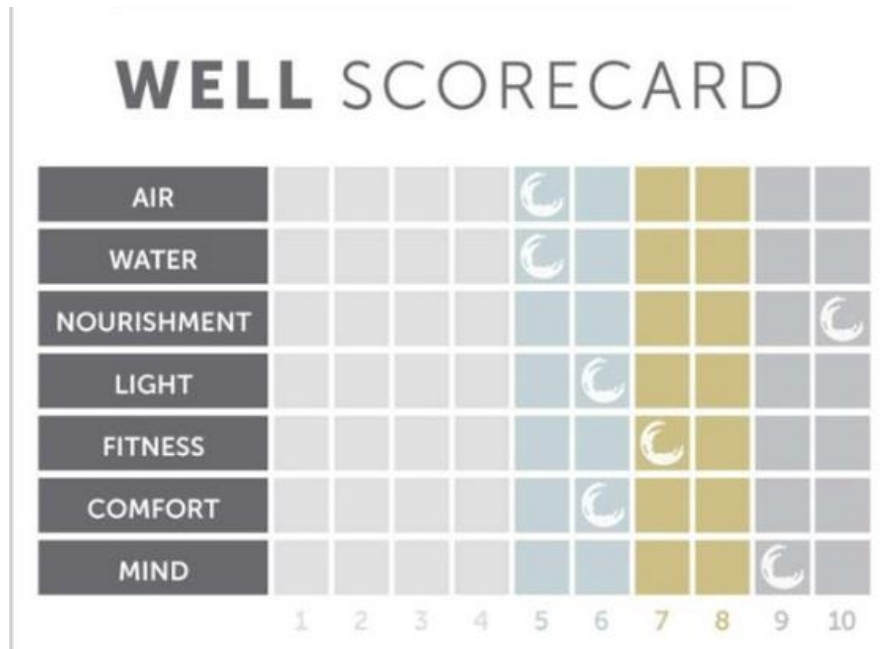


Terminology



- **Concepts:** 7 building attribute categories
- **Features:** Preconditions & Optimizations
- **Preconditions:** Required (LEED prerequisites)
- **Optimizations:** Optional (LEED credits)

Scoring

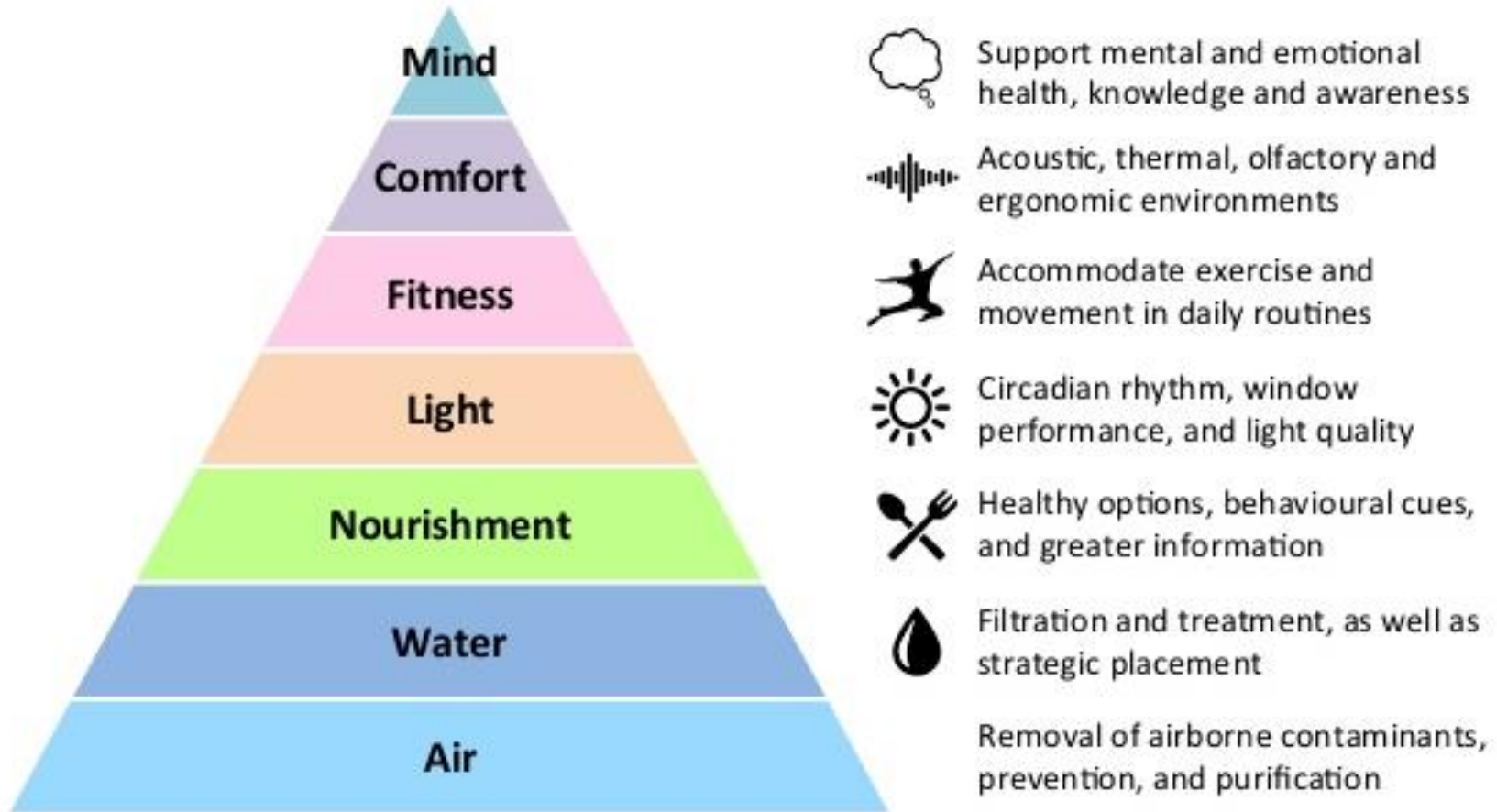


STANDARD CONSTRUCTION

WELL BUILDING

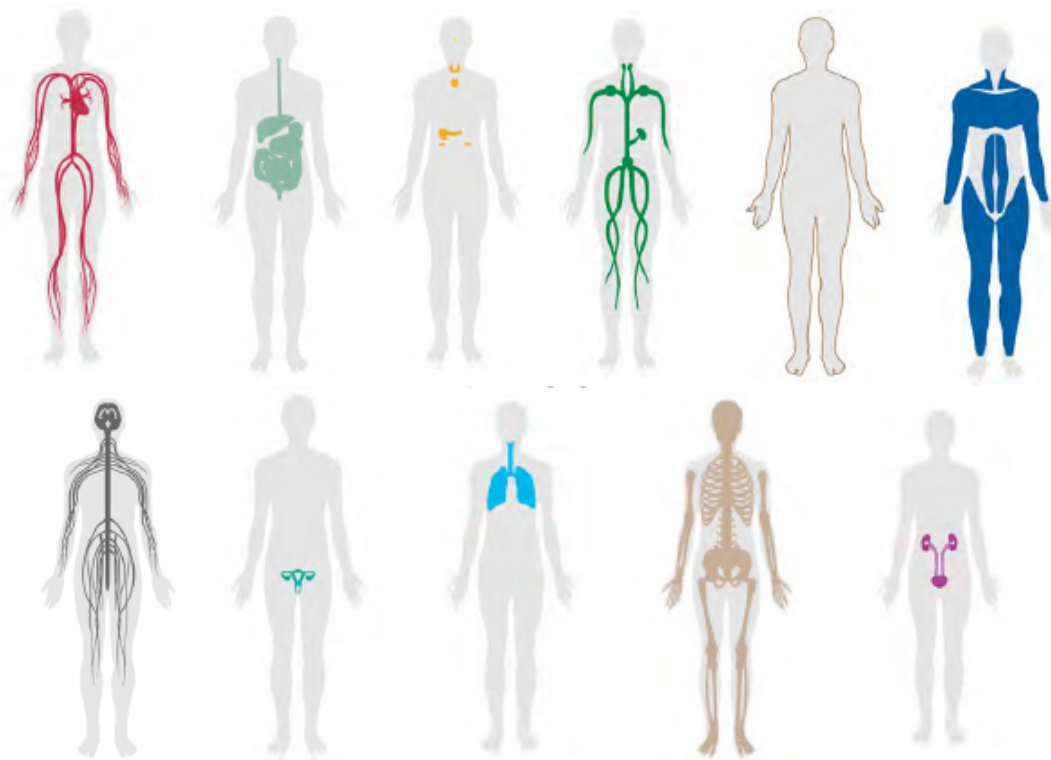


Holistic approach



Wellness and body systems

Each Feature of the standard is ascribed to the human body systems that are intended to benefit from its implementation.





LIVING BUILDING CHALLENGESM 3.0

A Visionary Path to a
Regenerative Future



INTERNATIONAL
LIVING FUTURE
INSTITUTESM



Certification
+ Tool +
Philosophy

Most
advanced

Addresses
the gaps

3.0

A Visionary Path to a
Regenerative Future



INTERNATIONAL
LIVING FUTURE
INSTITUTESM

Terminology



- **Petals:** 7 performance categories
- **Imperatives:** 20 total mandatory requirements
- **Transects:** Rural/Urban development scale categorization
- **Scale Jumping:** Allows contribution of certain attributes outside the project boundary.

Overview & highlights

	LIVING BUILDING CHALLENGE			
	BUILDINGS	RENOVATIONS	LANDSCAPE + INFRASTRUCTURE	
PLACE				01. LIMITS TO GROWTH
	SCALE JUMPING		SCALE JUMPING	02. URBAN AGRICULTURE
			SCALE JUMPING	03. HABITAT EXCHANGE
				04. HUMAN POWERED LIVING
WATER			SCALE JUMPING	05. NET POSITIVE WATER
ENERGY			SCALE JUMPING	06. NET POSITIVE ENERGY
HEALTH & HAPPINESS				07. CIVILIZED ENVIRONMENT
				08. HEALTHY INTERIOR ENVIRONMENT
				09. BIOPHILIC ENVIRONMENT
MATERIALS				10. RED LIST
			SCALE JUMPING	11. EMBODIED CARBON FOOTPRINT
				12. RESPONSIBLE INDUSTRY
				13. LIVING ECONOMY SOURCING
				14. NET POSITIVE WASTE
EQUITY				15. HUMAN SCALE + HUMANE PLACES
				16. UNIVERSAL ACCESS TO NATURE & PLACE
			SCALE JUMPING	17. EQUITABLE INVESTMENT
				18. JUST ORGANIZATIONS
BEAUTY				19. BEAUTY + SPIRIT
				20. INSPIRATION + EDUCATION



Bottom Line



You have options.
Align certification and project goals.
Get help.





What questions do you have?

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