

Lauren Yarmuth, LEED AP
Principal, YRG sustainability



LEED 2009: technical advancements to the LEED rating system

Harmonization (alignment)

Regionalization

Credit weighting (100 point scale)

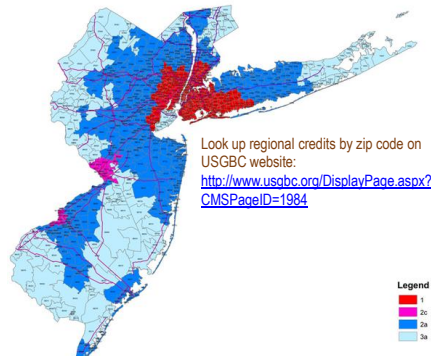
Source: USGBC

Regionalization

each region of the country is divided into environmental zones

6 LEED credits per zone

4 total regional points
available



example: Northeast Corridor

New York City Regional Credits

SSc5.1 Site Development, Protect or Restore Habitat

SSc6.1 Stormwater Design, Quantity Control

WEc2 Innovative Wastewater Technologies

EAc1 40% Optimize Energy Performance

EAc2 1% On-site Renewable Energy

MRc1 75% Building Reuse

Weightings

- Priority environmental areas
- Allocate more points to credits that have the greatest positive impact



- Greenhouse gas emissions (29%)
- Fossil fuel depletion (10%)
- Water use (8%)
- Land use (6%)
- Acidification (3%)
- Eutrophication (6%)
- Indoor air quality (3%)
- Ozone formation (2%)
- Smog formation (4%)
- Ecotoxicity (7%)
- Particulates (9%)
- Human health-cancer (8%)
- Human health-non-cancer (5%)

Based on National Institute of Standards and Technology (NIST)

Weighting Impact Categories

LEED 2009 Levels of Certification

- Certified 40 points
 - Silver 50 points
 - Gold 60 points
 - Platinum 80 + points
- Total Points = 100



LEED NC Scorecard Comparison

Credit Category	LEED-NC v2.2	LEED 2009
Sustainable Sites	14 points	26 points
Water Efficiency	5 points	10 points
Energy & Atmosphere	17 points	35 points
Materials & Resources	13 points	14 points
Indoor Environmental Quality	15 points	15 points

LEED NC Site Selection Comparison

Credit Category	LEED-NC v2.2	LEED 2009
Development Density and Community Connectivity	1 point	5 points
Alternative Transportation – Public Transportation Access	1 point	6 points
Alternative Transportation – Low-Emitting and FEV	1 point	3 points
Alternative Transportation – Parking Capacity	1 point	2 points

LEED-ND: Transit Overview

- Credits for locating along well-served transit corridors, building transit facilities, and implementing Transportation Demand Management (TDM) plans
- Links land-use and transportation (diverse uses, walkable design, high transit)
- Transit figures in 2 prerequisites and 3 credits

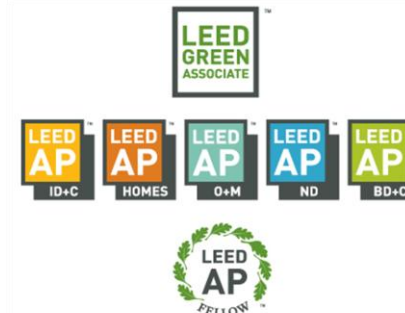


Portfolio Program / LEED Volume

- Certify groups of buildings within a portfolio
- Achieve economies of scale
- Reduce costs
- Standardize certification process



The NEW LEED AP Credentialing Program



AP Credentials



LEED for Existing Building Operations & Maintenance



LEED for Building Design & Construction



LEED for Interior Design & Construction



LEED for Neighborhood Development

How It All Fits Together



- LEED for New Construction
- LEED for Core & Shell
- LEED for Schools
- LEED for Healthcare
- LEED for Retail

- LEED for Commercial Interiors
- LEED for Retail Interiors

- LEED for Existing Buildings
- LEED for Existing Schools

LEED Green Associate

- Basic level of accreditation – Everyone must take this exam
- Must apply to take exam and document you have:
 1. Previous experience supporting a LEED-registered project
 2. Attended an education program that addresses green building principles
 3. OR work in a sustainable field
- 2 hour, 100 question exam



Application Fee: \$50
Exam Fee: \$150 / \$200
Passing Score: 170
Biennial Maintenance : \$50
Biennial CMP: 15hr
(3 LEED specific)

LEED AP+ (with specialty)

Requirements:

- Pass LEED Green Associate Exam
- Agree to disciplinary policy and credential maintenance
- Demonstrate experience on at least one LEED project within the last 2-3 years*
- Submit to application audit (5-7% audited)
- Pass specialty 2 hour exam



Application Fee: \$100
Specialty Exam Fee: \$150 / \$250
Combined Exam Fee: \$300/\$450
Passing Score: 170
Biennial Maintenance: \$50
Biennial CMP: 30 hr
(6 LEED specific)

*must be documented in the form of a letter of attestation from a supervisor, client, or project manager and must describe your involvement on the LEED Project as a consultant, contracted worker, member of the LEED Project Team, LEED Homes Provider, LEED Commercial Reviewer, LEED Homes Green Verifier, or staff member of a Certifying Body (CB).

LEED AP Fellow



Still in development

Proposed Requirements

Major contribution to the standards of practice and body of knowledge for achieving continuous improvement in the green building field

Proposed Credentialing process

Peer review of project portfolio

What about current LEED APs?

1

Do nothing and remain an AP

OR

2

Become LEED AP+ (BD&C, ID&C, O&M)

No new exam, but before summer 2011 you must:

1. sign disciplinary policy
2. agree to CMP within 2 years
3. complete prescriptive CMP requirements
4. accept specialty designation

*LEED APs may request to enroll in a different specialty among BD&C, ID&C, O&M if it is more applicable to their field of work

**if you want to get an additional specialty designation you will need to take the specialty exam as well as pay an extra \$50 biannually for the extra credential and take 6 extra CE credits

LEED Best Practices Tool

Helping LEED users achieve certification



www.leaduser.com

What is LEED User?

- A website designed to help project teams pursuing LEED certification.
- The new website will supplement the LEED Online system and the LEED Reference Guides with:
 - practical tips,
 - documentation help,
 - cost management suggestions, and
 - design and implementation guidance.

www.leaduser.com

YRG sustainability

supporting development, business and operations

Lauren Yarmuth

lyarmuth@yrgsustainability.com

www.yrgsustainability.com

