

LEED® v3 – 2009 – Core & Shell

Summary of Proposed Revisions

Summary of Point Allocations

Point Structure:

Certified	40-49 points	(up from 34-42)
Silver	50-59 points	(up from 43-50)
Gold	60-79 points	(up from 51-67)
Platinum	80-110 points	(up from 68-92)

Point Distribution:

Section	New %	Previous %
Sustainable Sites	25.5	24.6
Water Efficiency	9.1	8.2
Energy & Atmosphere	33.6	23.0
Materials & Resources	11.8	18.0
Indoor Environmental Quality	10.9	18.0
Innovation in Operations	5.5	8.2
Regional Bonus Credits	3.6	-----

Point Changes

Sustainable Sites – 28 Points available (up from 15)

- Incremental gains on Development Density & Community Connectivity (+4 points)
- Incremental gains on Alternate Transportation (+9 points)

Water Efficiency – 10 Points available (up from 5)

- New Water Use Reduction thresholds: 20% (prerequisite), 30%, and 40%
- All water credits doubled (+1 point each, total +5 points)

Energy & Atmosphere – 37 Points available (up from 14)

- Incremental gains on Optimize Energy Performance (+13 points)
- Incremental gains on all other credits (+1-3 points)
- Energy & Atmosphere now has more than double the total points available

Materials & Resources – 13 Points available (up from 11)

- Incremental gains on Building Reuse, 25% (+2 points)
- Materials Reuse credit threshold increased to 5%

Indoor Environmental Quality – 12 Points available (up from 11)

- Low-Emitting Materials credit altered to include all flooring instead of just carpet

Innovation & Design Process – 6 Points available (up from 5)

- Inclusion of an additional ID point

Regional Bonus Credits – 4 Points available (new section)

- Credit 1.1-4 Region Specific Environmental Priority: Region Defined

Scope Changes

Sustainable Sites

- Credit 2: Development Density & Community Connectivity
 - } The project itself cannot be considered as 1 of the 10 basic services and no more than 2 of the 10 services required may be anticipated (at least 8 must be existing and operational).
- Credit 4.1: Public Transportation
 - } Distances changed to "walking distance" instead of straight line.
- Credit 4.3: Low Emitting & Fuel Efficient Vehicles
 - } Option of providing preferred parking for low-emitting vehicles has been removed.
- Credit 4.4: Parking Capacity
 - } Option 5 has been added. Allows mixed use buildings (high rise residential and retail) to separate the parking requirements based on type of use.
- Credit 7.1: Heat Island Effect, Non-Roof
 - } Different requirements for shading non-roof areas.
- Credit 8: Light Pollution Reduction
 - } Updated to reference Standard 90.1-2007 Addendum I instead of 2004 Exterior Lighting Section (without amendments) for power density restrictions. Minor rewording. Curb line can no longer be used for LZ1. Additional spill is now allowed at intersection of private drive(s) with public roadway(s) via an expanded site boundary.

Water Efficiency

- Prerequisite 1: Water Use Reduction of 20%: This was previously Credit 3.1.

Energy & Atmosphere

- Prerequisite 2: Minimum Energy Efficiency Performance
 - } The building must demonstrate a 10% improvement for new buildings or a 5% improvement for existing building renovations. This is similar to the minimum 2 points for EAc1 required for LEED NC 2.2.
- Credit 1: Optimize Energy Performance
 - } More points and new thresholds have been added to the credit. This is to give more incentive to design and install energy efficient systems and equipment. Models are referenced to the updated Appendix G in 90.1-2007.
- Credit 3: Enhanced Commissioning
 - } Additional commissioning processes have been included in the requirements.
- Credit 5.1: Measurement & Verification – Base Building
 - } Changed to reflect LEED NC where Option B or D of the IPMVP can be used to meet the credit.
- Credit 6: Green Power
 - } The core and shell building's electricity is defined as the electricity usage of the core and shell square footage as defined by BOMA Standards, but not less than 15% of the building total gross square footage.

Materials & Resources

- Prerequisite 1: Storage & Collection of Recyclables
 - } The area needs to include collection of plant-based landscaping debris, unless the site has no landscaping.
- Credit 2.1: Construction Waste Management
 - } Land-clearing debris is now included in the intent.
- Credit 3: Materials Reuse

- } Mechanical, electrical, and plumbing components have been removed from the requirement, hence the increased percentage of 5%, up from 1%.

Credit 6: Certified Wood

- } The percentage is based on cost and the calculation may include temporary wood materials purchased for the project, but if chosen to do so, all such materials must be included in the calculation.

Indoor Environmental Quality (EQ)

Prerequisite 1: Minimum IAQ Performance

- } Mechanical ventilation systems installed during core and shell construction shall be capable of meeting projected ventilation levels based on anticipated future tenant requirements. Updated standard: 62.1-2007.

Prerequisite 2: ETS Control

- } Updated definitions for non-smoking boundaries.

Credit 1: Outdoor Air Delivery Monitoring

- } Densely occupied spaces must include CO₂ sensors and monitor all such spaces.

Credit 4.3: Low-Emitting Materials – Flooring Systems

- } The intent has been changed from only carpet to any flooring system.

Credit 7: Thermal Comfort

- } The core and shell building mechanical system must provide the capability for the tenant build-out to meet the requirements and guidance. Core and shell buildings that do not purchase and/or install the mechanical system cannot achieve this credit.

Credit 8.1: Daylight and Views

- } Clarified measurement plane, sky condition, and time of day/year (no impact).

Innovation & Design (ID)

Credit 1.5: An additional ID credit is now available.

Regional Bonus Credit (RB)

Credit 1.1-4: The intent of this new section is to provide design teams and projects the opportunity to be awarded points for achievement of existing LEED credits that deliver regionally important benefit which has been deemed, by the regional authority, to have benefit above the point value set by the LEED Green Building Rating System. To achieve the point(s), the project must achieve one of the six (6) credits that have been identified as regionally important by the regional authority where the LEED project is located.

***Note: Credit names & numbers reflect the new LEED 2009 structure.**