

# LEED<sup>®</sup> v3 – 2009 – Commercial Interiors Summary of Proposed Revisions

## Summary of Point Allocations

### Point Structure:

Certified	40-49 points	(up from 21-26)
Silver	50-59 points	(up from 28-31)
Gold	60-79 points	(up from 32-41)
Platinum	80-110 points	(up from 42-57)

### Point Distribution:

Section	New %	Previous %
Sustainable Sites	<b>19.1</b>	12.3
Water Efficiency	<b>10.0</b>	3.5
Energy & Atmosphere	<b>33.6</b>	21.0
Materials & Resources	12.7	<b>24.6</b>
Indoor Environmental Quality	15.5	<b>29.8</b>
Innovation in Operations	5.5	<b>8.8</b>
Regional Bonus Credits	<b>3.6</b>	-----

## Point Changes

### ***Sustainable Sites – 21 Points available (up from 7)***

- Incremental gains on Site Selection (+2 points)
- Incremental gains on Development Density & Community Connectivity (+5 points)
- Incremental gains on Alternative Transportation (+8 points)

### ***Water Efficiency – 11 Points available (up from 2)***

- New Water Use Reduction thresholds: 20% (prerequisite), 30%, and 40%
- Greater emphasis on water reduction credits (+11 points)

### ***Energy & Atmosphere – 37 Points available (up from 12)***

- Incremental gains on Optimize Energy Performance: Lighting Power (+8 points)
- Incremental gains on Optimize Energy Performance: HVAC (+8 points)
- Incremental gains on Optimize Energy Performance: Equipment & Appliances (+2 points)
- Greater emphasis on Enhanced Commissioning (+4 points)
- Incremental gains on Measurement & Verification (+3 points)
- Greater emphasis on Green Power (+4 points)

### ***Materials & Resources – 14 Points available (same)***

- No point value changes

### ***Indoor Environmental Quality – 17 Points available (same)***

- 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)***

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

## Scope Changes

### **Sustainable Sites (SS)**

Credit 1: Site Selection:

- } Greater emphasis on overall Site Selection (+2 points) including gains in the following:
  - § G: Water Efficient Irrigation: Reduce by 50% (+1 point)
  - § H: Water Efficient Irrigation: No Potable Use or No Irrigation (+1 point)
  - § I: Innovative Wastewater Technologies (+1 point)
  - § J: Changes in site Water Use Reduction, from 20% reduction to 30% reduction
  - § K: Onsite Renewable Energy (+1 point)
  - § All other site selection credits (+½ point)

Credit 2: Development Density and Community Connectivity

- } Greater emphasis on Development Density and Community Connectivity (+5 pts)

Credit 3: Greater emphasis on Alternative Transportation including gains in the following: (+8 points)

Credit 3.1: Public Transportation Access (+5 points)

Credit 3.2: Bicycle Storage & Changing Rooms (+1 point)

Credit 3.3: Parking Availability (+1 point)

### **Water Efficiency (WE)**

Prerequisite 1: Water Use Reduction, 20% Reduction

- } Added prerequisite for 20% Water Reduction

Credit 1.1: Water Use Reduction, 30% Reduction

- } Greater emphasis on 30% Water Reduction (+6 points)

Credit 1.2: Water Use Reduction, 40% Reduction

- } Added additional points for 40% Water Reduction (+5 points)

### **Energy & Atmosphere (EA)**

Prerequisite 1: Now reads "Fundamental Commissioning of the Building Energy Systems"

Prerequisite 3: Now reads "the intent of the prerequisite is to encourage projects to locate in buildings that have no CFC-based refrigerants or to influence the building owner to use such systems to reduce ozone depletion."

Credit 1.1: Optimize Energy Performance, Lighting Power

- } Increased from 1, 2, or 3 possible points to 1, 4, or 7 possible points. EAc1 points no longer mandatory. Updated to reference Standard 90.1-2007 instead of 2004. Deleted section specifying "Submittals" requirements.

Credit 1.2: Optimize Energy Performance, Lighting Controls

- } EAc1 points no longer mandatory. Deleted section specifying "Submittals" requirements.

Credit 1.3: Optimize Energy Performance, HVAC

- } Incremental gains on HVAC power reduction (+8 possible points)

Credit 1.4: Optimize Energy Performance, Equipment and Appliances

- } Incremental gains on Energy Star equipment & appliances (+2 possible points)

Credit 2: Enhanced Commissioning

- } Greater emphasis on Enhanced Commissioning (+4 points)

Credit 3: Energy Use, Measurement & Payment Accountability

- } Incremental gains on Energy Use, Measurement & Payment Accountability (+3 possible points) and title changed from "Measurement & Payment Accountability" to "Measurement & Verification"

Credit 4: Green Power

- } Greater emphasis on Green Power (+4 points)

**Materials & Resources (MR)**

Minimal changes

**Indoor Environmental Quality (EQ)**

Credit 1: Outdoor Air Delivery Monitoring

- } Changed Outdoor Air Delivery Monitoring to require both permanent monitoring systems on ventilation system performance (to alarm when ventilation rates vary by more than 10% from setpoint) and CO2 sensors in densely occupied spaces.

Credit 4.3: Low-Emitting Materials, Carpet Systems

- } Changed Low-Emitting Materials, Carpet Systems to include all flooring systems

Credit 4.4: Low-Emitting Materials, Composite Wood and Laminate Adhesives

- } Changed Low-Emitting Materials, Composite Wood and Laminate Adhesives to include all agrifiber products

Credit 5: Indoor Chemical and Pollutant Source Control

- } Changed the language of the MERV 13 filtration requirements to read "Filtration should be applied to process both return and outside air that is to be delivered to the space"

Credit 6.1: Controllability of Systems, Lighting

- } Deleted section specifying "Submittals" requirements.

Credit 6.2: Controllability of Systems, Temperature and Ventilation

- } Changed Controllability of Systems, Thermal Comfort to include adjustments for all shared multi-occupant spaces

Credit 7.2: Thermal Comfort, Monitoring

- } Changed Thermal Comfort, Verification to include an occupant survey to occur between 6-18 months after occupancy and a plan for corrective action if 20% or more of occupants express thermal dissatisfaction

Credit 8.1: Daylight and Views, Daylight 75% of Spaces

- } Revision was erroneously labeled as both 8.2 and 8.3 and appears to be incomplete. Impact on Credit 8.3 is not clear.

**Innovation & Design Process (ID)**

Credit 1.5: An additional ID credit is now available

**Regional Bonus Credits (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.**