

# LEED® v3 – 2009 – K-12 Schools

## Summary of Proposed Revisions

### Summary of Point Allocations

#### Point Structure:

Certified	40-49 points	(up from 29-36)
Silver	50-59 points	(up from 37-43)
Gold	60-79 points	(up from 44-57)
Platinum	80-110 points	(up from 58-79)

#### Point Distribution:

Section	New %	Previous %
Sustainable Sites	<b>21.8</b>	20.2
Water Efficiency	<b>10.0</b>	8.9
Energy & Atmosphere	<b>30.0</b>	21.5
Materials & Resources	11.8	<b>16.4</b>
Indoor Environmental Quality	17.2	<b>25.3</b>
Innovation and Design Process	5.5	<b>7.6</b>
Regional Bonus Credits	<b>3.6</b>	-----

### Section Changes

#### ***Sustainable Sites – 24 Points available (up from 16)***

- Incremental gains on Development Density and Community Connectivity (+3 points)
- Incremental gains on Alternate Commuting Transportation (+5 points)

#### ***Water Efficiency – 11 Points available (up from 7)***

- Incremental gains on Fixture & Fitting Efficiency (+2 points)
- Incremental gains on Water Efficient Landscaping (+2 points)
- Incremental gains on Innovative Wastewater Technologies (+1 point)

#### ***Energy & Atmosphere – 33 Points available (up from 17)***

- Restructuring of scale of Energy Performance (+9 points)
- Restructuring of scale of Renewable Energy (+4 points)
- Incremental gains on Enhanced Commissioning (+1 point)
- Incremental gains on Measurement and Verification (+1 point)
- Incremental gains on Green Power (+1 point)

#### ***Materials & Resources – 13 Points available (no change)***

#### ***Indoor Environmental Quality – 19 Points available (down from 20)***

- Removal of 1 Acoustical Performance credit (-1 point)

#### ***Innovation in Operations – 6 Points available (no change)***

#### ***Regional Bonus Credits – 4 Points available (new section)***

- Credit 1.1 through 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 at least 8 must be existing and operational (not anticipated).
- Credit 4.1: Public Transportation
  - } Distances changed to “walking distance” instead of straight line.
- Credit 5.1: Site Development: Protect or Restore Habitat
  - } Clarification that green roofs must contain at least 20% native species.
- Credit 7.1: Heat Island Effect: Non-Roof
  - } Different requirements for shading non-roof areas.
- Credit 7.2: Heat Island Effect: Roof
  - } If different materials are used, a weighted average of roof area SRI may be used to comply.
- Credit 8: Light Pollution Reduction
  - } Exterior lighting must meet updated standard ASHARE/IESNA 90.1-2007. All light zone definitions have been updated.

### ***Water Efficiency***

- Prerequisite 1: Water Use Reduction: 20% Reduction
  - } This was previously Credit 3.1.
- Credit 1.1: Water Efficient Landscaping: Reduce by 50%
  - } Groundwater seepage that is pumped away from the building may be used but must not impact stormwater management.

### ***Energy & Atmosphere***

- Prerequisite 2: Minimum Energy Efficiency Performance
  - } Revisions to “Requirements” section and addition of three separate options for demonstrating compliance.
- Credit 1: Optimize Energy Efficiency Performance
  - } Revisions to energy savings thresholds and associated point values.
  - } Addition of options 2 and 3 to demonstrate compliance.
- Credit 2: On-Site Renewable Energy
  - } Revisions to renewable energy thresholds and associated points values.
- Credit 3: Enhanced Commissioning
  - } Clarification of requirements of who may serve as the commissioning agent.
- Credit 5: Measurement and Verification
  - } Provide corrective action if energy savings in the M&V plan are not being achieved.

### ***Materials & Resources***

- Minor changes to verbiage and LEED manual formatting.

### ***Indoor Environmental Quality (EQ)***

- Prerequisite 1: Minimum IAQ Performance
  - } Updates of reference to ASHRAE 62.1-2007.
- Prerequisite 2: Environmental Tobacco Smoke (ETS) Control
  - } “Designated smoking areas” are removed from verbiage in lieu of prohibiting smoking within 25 feet of building entries, outdoor air intakes and operable windows.
- Prerequisite 3: Minimum Acoustical Performance
  - } Complete revision to requirements and methodologies to demonstrate compliance.
- Credit 1: Outdoor Air Delivery Monitoring
  - } Densely occupied spaces must include CO2 sensors.

- Credit 2: Increased Ventilation
  - } Updates of reference to ASHRAE 62.1-2007.
- Credit 3.2: Construction IAQ Management Plan: Before Occupancy
  - } All finishes must be installed prior to building flush out period.
- Credit 5: Indoor Chemical & Pollutant Source Control
  - } Walk off mat size has been increased from 6 feet to 10 feet.
- Credit 6.1: Controllability of Systems: Lighting
  - } Lighting for shared spaced must be controllable in a fashion that meets the needs of all occupants.
- Credit 6.2: Controllability of Systems: Thermal Comfort
  - } Updates of reference to ASHRAE 62.1-2007.
- Credit 7.1: Thermal Comfort: Design
  - } Requirements for natatoriums now included.
- Credit 7.2: Thermal Comfort: Verification
  - } Credit is now contingent upon successful completion and implementation of Credit 7.1.
- Credit 8.1: Daylight and Views: Daylight
  - } Option 4 has been added to requirements section and a combination of options 1 through 3 may be used to demonstrate compliance.
- Credit 9: Enhanced Acoustical Performance
  - } Revisions to "Requirements" section and reference standards.

***Regional Bonus Credits***

- Credits 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.**