

# LEED Application Guide for Multiple Buildings and On-Campus Building Projects

---

For Use with 2009 LEED Rating Systems for Design and Construction and Operations and Maintenance

---

Released October 31, 2011

## **Appendix A:**

### **AGMBC Applicability for Credits and Prerequisites in LEED 2009 Design & Construction Rating Systems**

**How to read this table:** Table 1 summarizes the prerequisites and credits in the LEED 2009 Design and Construction rating systems that can be either campus or group credits. Gray shaded boxes in the Applicable Rating System columns indicate which rating system(s) are included.

The Campus Credit column contains a 'C' for credits and prerequisites that are eligible to be included as campus credits in a master site. This column will be blank for those that may be pursued separately by each LEED project within the LEED campus boundary.

The Group Credit column contains a 'G' for credit and prerequisites that have group application guidance that must be followed if pursued in a group project certification. This column will be blank for those credits where compliance must be demonstrated on an individual building basis for all buildings within a group project.

This table is intended for reference only. Many credits and prerequisites have additional conditions that must be met to be eligible as a campus or group credit. The credit-level application guidance that follows addresses every credit and prerequisite within the 2009 Design and Construction rating systems.

**Table 1. AGMBC Applicability for Credits and Prerequisites in LEED 2009  
Design & Construction Rating Systems**

APPLICABLE RATING SYSTEM							CREDIT	CREDIT NAME	ELIGIBILITY	
LEED FOR NEW CONSTRUCTION	LEED FOR SCHOOLS	LEED FOR CORE AND SHELL	LEED FOR COMMERCIAL INTERIORS	LEED FOR HEALTHCARE	LEED FOR RETAIL; NEW CONSTRUCTION	LEED FOR RETAIL; COMMERCIAL INTERIORS			CAMPUS CREDIT	GROUP CREDIT
<b>SUSTAINABLE SITES</b>										
							<a href="#">SSp1</a>	Construction Activity Pollution Prevention		G
							<a href="#">SSp2</a>	Environmental Site Assessment		G
							<a href="#">SSc1<sup>†</sup></a>	Site selection	C	G
							<a href="#">SSc2<sup>†</sup></a>	Development Density and Community Connectivity	C	G
							<a href="#">SSc3<sup>†</sup></a>	Brownfield Redevelopment	C	G
			SSc3.1		SSc4	SSc3	<a href="#">SSc4.1<sup>†</sup></a>	Alternative Transportation- Public Transportation Access	C	
			SSc3.2		SSc4	SSc3	<a href="#">SSc4.2</a>	Alternative Transportation- Bicycle Storage and Changing Rooms	C	G
					SSc4	SSc3	<a href="#">SSc4.3</a>	Alternative Transportation- LEV & FE vehicles	C	G
			SSc3.3		SSc4	SSc3	<a href="#">SSc4.4</a>	Alternative Transportation- Parking Capacity	C	G
							<a href="#">SSc5.1<sup>†</sup></a>	Site Development- Protect or Restore Habitat	C	G
							<a href="#">SSc5.2</a>	Site Development- Maximize Open Space	C	G
							<a href="#">SSc6.1</a>	Storm water Design- Quantity Control	C	G
							<a href="#">SSc6.2</a>	Stormwater Design- Quality Control	C	G
							<a href="#">SSc7.1</a>	Heat Island Effect- Nonroof	C	G
							<a href="#">SSc7.2</a>	Heat Island Effect- Roof		G
							<a href="#">SSc8<sup>†</sup></a>	Light Pollution Reduction	C	G
							<a href="#">SSc9</a>	Tenant Design and Construction Guidelines		G
							<a href="#">SSc9</a>	Site Master Plan	C	G
							<a href="#">SSc9.1</a>	Connection to the Natural World- Places of Respite		G
							<a href="#">SSc9.2</a>	Connection to the Natural World- Direct Exterior Access for Patients		G
							<a href="#">SSc10</a>	Joint Use of Facilities		G
<b>WATER EFFICIENCY</b>										
							<a href="#">WEp1</a>	Water Use Reduction		
							<a href="#">WEp2</a>	Minimize Potable Water Use for Medical Equipment Cooling		
							<a href="#">WEc1</a>	Water-Efficient Landscaping	C	G
							<a href="#">WEc2</a>	Innovative Wastewater Technologies		G
							<a href="#">WEc2</a>	Water Use Reduction - Measurement and Verification		
			WEc1			WEc1	<a href="#">WEc3</a>	Water Use Reduction		G
							<a href="#">WEc4</a>	Process Water Use Reduction		G
							<a href="#">WEc4.1</a>	Water Use Reduction- Building Equipment		G
							<a href="#">WEc4.2<sup>†</sup></a>	Water Use Reduction - Cooling Towers	C	G
							<a href="#">WEc4.3<sup>†</sup></a>	Water Use Reduction - Food Waste Systems		G

ENERGY AND ATMOSPHERE										
							<a href="#">EAp1<sup>†</sup></a>	Fundamental Commissioning of Building Energy Systems		G
							<a href="#">EAp2</a>	Minimum Energy Performance		G
							<a href="#">EAp3<sup>†</sup></a>	Fundamental Refrigerant Management	C	
							<a href="#">EAc1<sup>†</sup></a>	Optimize Energy Performance		G
							<a href="#">EAc1.1</a>	Optimize Energy Performance- Lighting Power		
							<a href="#">EAc1.2</a>	Optimize Energy Performance- Lighting Controls		
							<a href="#">EAc1.3<sup>†</sup></a>	Optimize Energy Performance- HVAC		G
							<a href="#">EAc1.4</a>	Optimize Energy Performance- Equipment and Appliances		
							<a href="#">EAc1.5</a>	Optimize Energy Performance- Building Envelope		
						EAc5	<a href="#">EAc2<sup>†</sup></a>	On Site Renewable Energy	C	G
			EAc2			EAc2	<a href="#">EAc3</a>	Enhanced Commissioning		
							<a href="#">EAc4<sup>†</sup></a>	Enhanced Refrigerant Management	C	G
			EAc3			EAc3	<a href="#">EAc5</a>	Measurement and Verification		G
							<a href="#">EAc5.1</a>	Measurement and Verification- Base Building		G
							<a href="#">EAc5.2</a>	Measurement and Verification- Tenant Submetering		G
			EAc4			EAc4	<a href="#">EAc6</a>	Green Power	C	G
							<a href="#">EAc7<sup>†</sup></a>	Community Contaminant Prevention - Airborne Releases	C	
MATERIALS AND RESOURCES										
							<a href="#">MRp1</a>	Storage and Collection of Recyclables	C	G
							<a href="#">MRp2</a>	PBT Source Reduction- Mercury		G
							<a href="#">MRc1.1</a>	Tenant Space - Long-Term Commitment		
		MRc1					<a href="#">MRc1.1</a>	Building Reuse- Maintain Existing Walls, Floors, and Roof		G
							<a href="#">MRc1.2</a>	Building Reuse- Maintain Interior Nonstructural Elements		G
							<a href="#">MRc2*</a>	Construction Waste Management	C	G
							<a href="#">MRc3</a>	Sustainably Sourced Materials and Products		G
			MRc3.1			MRc3.1	<a href="#">MRc3</a>	Materials Reuse		G
							<a href="#">MRc3.2</a>	Materials Reuse: Furniture and Furnishings		G
							<a href="#">MRc4</a>	Recycled Content		G
							<a href="#">MRc4.1*</a>	PBT Source Reduction- Mercury in Lamps	C	G
							<a href="#">MRc4.2</a>	PBT Source Reduction- Lead, Cadmium and Copper		
							<a href="#">MRc5</a>	Regional Materials		G
							<a href="#">MRc5</a>	Furniture and Medical Furnishings		G
							<a href="#">MRc6</a>	Rapidly Renewable Materials		G
							<a href="#">MRc6</a>	Resource Use- Design for Flexibility		
		MRc6					<a href="#">MRc7</a>	Certified Wood		G
INDOOR ENVIRONMENTAL QUALITY										
							<a href="#">IEQp1</a>	Minimum Indoor Air Quality Performance		
							<a href="#">IEQp2<sup>†</sup></a>	Environmental Tobacco Smoke (ETS Control)	C	G
							<a href="#">IEQp3</a>	Minimum Acoustical Performance		
							<a href="#">IEQp3</a>	Hazardous Material Removal or Encapsulation (Renovations only)		
							<a href="#">IEQc1</a>	Outdoor Air Delivery Monitoring		
							<a href="#">IEQc2</a>	Increased Ventilation		
							<a href="#">IEQc2</a>	Acoustic Environment		
		IEQc3					<a href="#">IEQc3.1</a>	Construction Indoor Air Quality Management Plan - During Construction		G

							<a href="#">IEQc3.2</a>	Construction Indoor Air Quality Management Plan- Before Occupancy		
							<a href="#">IEQc4*</a>	Low-Emitting Materials	C	G
							<a href="#">IEQc4.1*</a>	Low-Emitting Materials- Adhesives and Sealants	C	G
							<a href="#">IEQc4.2*</a>	Low-Emitting Materials- Paints and Coatings	C	G
							<a href="#">IEQc4.3*</a>	Low-Emitting Materials- Flooring Systems	C	G
							<a href="#">IEQc4.4*</a>	Low-Emitting Materials- Composite Wood and Agrifiber Products	C	G
							<a href="#">IEQc4.5*</a>	Low-Emitting Materials- Furniture and Furnishings	C	G
							<a href="#">IEQc4.5*</a>	Low-Emitting Materials- System Furniture and Seating	C	G
							<a href="#">IEQc4.6</a>	Low-Emitting Materials- Ceiling and Wall Systems		G
							<a href="#">IEQc5<sup>†</sup></a>	Indoor Chemical and Pollutant Source Control		G
					IEQc6	IEQc6	<a href="#">IEQc6.1</a>	Controllability of Systems- Lighting		
		IEQc6			IEQc6	IEQc6	<a href="#">IEQc6.2</a>	Controllability of Systems- Thermal Comfort		
		IEQc7		IEQc7			<a href="#">IEQc7.1</a>	Thermal Comfort- Design		G
				IEQc7			<a href="#">IEQc7.2</a>	Thermal Comfort- Verification		
							<a href="#">IEQc7.2</a>	Thermal Comfort- Employee Verification		
							<a href="#">IEQc8.1</a>	Daylight and Views- Daylight		
							<a href="#">IEQc8.2</a>	Daylight and Views- Views		
							<a href="#">IEQc9</a>	Enhanced Acoustical Performance		
							<a href="#">IEQc10</a>	Mold Prevention		
<b>INNOVATION AND DESIGN</b>										
							<a href="#">IDp1</a>	Integrated Project Planning and Design		G
							<a href="#">IDc1<sup>†</sup></a>	Innovation in Design	C	G
							<a href="#">IDc2</a>	LEED Accredited Professional		G
							<a href="#">IDc3</a>	The School as a Teaching Tool		G
							<a href="#">IDc3</a>	Integrated Project Planning and Design		G
<b>REGIONAL PRIORITY</b>										
							<a href="#">RPc1<sup>†</sup></a>	Regional Priority	C	G

† Not eligible as campus or group credit for all compliance options. Please refer to application guidance for details.

\* Only available as a campus credit for projects built/renovated simultaneously under the same construction contract.

## SS Prerequisite 1: Construction Activity Pollution Prevention

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

### Master Site

The prerequisite cannot be pursued as a campus prerequisite. Each LEED project referencing the Master Site must pursue the prerequisite individually.

### Group Certification

The prerequisite requirements apply to the area within the LEED project boundary.

---

## SS Prerequisite 2: Environmental Site Assessment

Applicable Rating Systems	
Schools	Healthcare

### Master Site

The prerequisite cannot be pursued as a campus prerequisite. Each LEED project referencing the Master Site must pursue the prerequisite individually.

### Group Certification

The prerequisite requirements apply to the area within the LEED project boundary.

---

## SS Credit 1: Site Selection

Applicable Rating Systems						
NC	Schools	CS	CI	Healthcare	Retail-NC	Retail-CI

### Master Site

The credit requirements apply to the area within the LEED campus boundary.

*For LEED-CI projects:* this credit is eligible as a campus credit if using Option 2, Paths 2,3,4, or 7 only.

### Group Certification

The credit requirements apply to the area within the LEED project boundary.

*For LEED-CI projects using Option 1, or Option 2, Paths 5, 6, 9, 10, or 11:* the credit requirements must be met for every base building individually.

---

## SS Credit 2: Development Density and Community Connectivity

Applicable Rating Systems					
NC	Schools	CS	CI	Healthcare	Retail-CI

### Master Site

*Option 1:* The credit requirements apply to the LEED campus boundary. The entire site needs to be considered previously developed. *Option 2:* The option cannot be pursued as a campus credit. Each LEED project referencing the Master Site may pursue the credit individually.

### Group Certification

*Option 1:* The credit requirements apply to the LEED project boundary and all project buildings and project spaces pursuing LEED certification. The entire site needs to be considered previously developed.

*Option 2:* Each project building or space must demonstrate individual compliance.

*Option 3 (Healthcare only):* The credit requirements apply to the LEED project boundary and all project buildings and project spaces pursuing LEED certification. The entire site needs to be considered previously developed.

---

## SS Credit 3: Brownfield Redevelopment

Applicable Rating Systems					
NC	Schools	CS	CI	Healthcare	Retail-CI

### Master Site

*Eligible as a campus credit using Option 2 only:* The entire area with the LEED campus boundary must be designated as a brownfield by a local, state, or federal government agency.

### Group Certification

The credit requirements apply to the area within the LEED project boundary.

---

## SS Credit 4.1: Alternative Transportation: Public Transportation Access

**(SS Credit 3.1 in CI; SS Credit 4, Option 1, Paths 1&2 in Retail NC and SS Credit 3 in Retail CI)**

Applicable Rating Systems						
NC	Schools	CS	CI	Healthcare	Retail-NC	Retail-CI

### Master Site

*Option 1 (Option 1, Path 1 in Retail NC & CI):* Eligible as a campus credit as long as each building's main entrance meets the required 1/2-mile walking distance. Submit documentation depicting building footprints, rail stations, and access to rail stations from main building entrances.

*Option 2 (Option 1, Path 2 in Retail NC & CI):* Eligible as a campus credit as long as each building's main entrance meets the required 1/4-mile walking distance or any other provisions provided by the reference guide or supplemental guidance. Submit documentation depicting building footprints, bus stops, and access to bus stops from main building entrances.

*Option 3 (schools only):* The option cannot be pursued as a campus credit. Each LEED project referencing the Master Site may pursue the credit individually.

### Group Certification

Each building or space within the LEED project boundary must meet the credit requirements individually.

---

**SS Credit 4.2: Alternative Transportation: Bicycle Storage and Changing Rooms**  
**(SS Credit 3.2 in CI; SS Credit 4, Option 2 in Retail NC and SS Credit 3 in Retail CI)**

Applicable Rating Systems						
NC	Schools	CS	CI	Healthcare	Retail-NC	Retail-CI

**Master Site**

Submit documentation demonstrating that sufficient bicycle racks are provided for the users of the entire site as defined in the LEED campus boundary (students, staff and/or employees, visitors etc.) and that sufficient showers are provided for 0.5% of the users of the entire site as defined in the LEED campus boundary (students, staff and/or employees housed on campus). Retail projects to follow the SSc4 Option 2 guidance for determining the number of bike racks and supporting features. The appropriate number of bike racks and showers provided must be within 200 yards of each project building(s) main entrance on the campus that are attempting LEED certification.

**Group Certification**

Submit documentation demonstrating that sufficient bicycle racks are provided based on the FTEs for the entire LEED project boundary (students, staff and/or employees, visitors etc.) and that sufficient showers are provided based on the FTE occupancy for the entire LEED project boundary (students, staff and/or employees housed on campus). Retail projects to follow the SSc4 Option 2 guidance for determining the number of bike racks and supporting features. The appropriate number of bike racks and showers provided must be within 200 yards of each project building entrance(s) or project space entrance(s) within the LEED project boundary.

---

**SS Credit 4.3: Alternative Transportation: Low-emitting and fuel-efficient vehicles (LEV and FEV)****(SS Credit 4, Option 3 in Retail NC and SS Credit 3 in Retail CI)**

Applicable Rating Systems			
NC	Schools	CS	Healthcare

**Master Site**

All of the parking located within the LEED campus boundary must be included within the calculations (including parking associated with projects that are not pursuing LEED certification). A campus parking plan must be provided in order to illustrate the campus parking and a reasonable distribution of preferred parking spaces for the projects seeking LEED certification.

**Group Certification**

All of the parking located within the LEED project boundary must be included within the calculations. A parking plan must be provided in order to illustrate the project site parking and a reasonable distribution of preferred parking spaces for the buildings or spaces seeking LEED certification.

---



## SS Credit 4.4: Alternative Transportation: Parking Capacity

(SS Credit 3.3 in CI; SS Credit 4, Option 4 in Retail NC and SS Credit 3 in Retail CI)

Applicable Rating Systems				
NC	Schools	CS	CI	Healthcare

### Master Site

All of the parking located within the LEED campus boundary must be included within the calculations (including parking associated with projects that are not pursuing LEED certification). A campus parking plan must be provided in order to illustrate the campus parking and a reasonable distribution of preferred parking spaces for the projects seeking LEED certification.

### Group Certification

All of the parking located within the LEED project boundary must be included within the calculations. A parking plan must be provided in order to illustrate the project site parking and a reasonable distribution of preferred parking spaces for the buildings or spaces seeking LEED certification.

---

## SS Credit 5.1: Site Development: Protect or Restore Habitat

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

### Master Site

*Eligible as a campus credit using Case 2 Only:* The development footprints of all buildings contained within the LEED campus boundary (including buildings that are not pursuing LEED certification) must be included in the credit calculations. To be eligible for this credit, the entire site must be considered previously developed.

### Group Certification

The development footprints of all of the buildings contained within the LEED project boundary (including those buildings that fall under the MPR#3 Specific Allowed Exceptions) must be included in the credit calculations.

---

## SS Credit 5.2: Site Development: Maximize Open Space

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

### Master Site

*Case 1: Sites with Local Zoning Open Space Requirements:* The credit requirements apply to the LEED campus boundary and the development footprints of all buildings contained within the LEED campus boundary including projects not pursuing LEED Certification.

*Case 2: Sites with No Local Zoning Requirement:* Open space that is equal to the building footprint can be considered separate from the project site, as long as the open space is preserved for the life of the building. The open space must be contained within the LEED campus boundary.

*Case 3: Sites with Zoning Ordinances but No Open Space Requirements:* The credit requirements apply to the LEED campus boundary and the development footprints of all buildings contained within the LEED campus boundary including buildings not pursuing LEED Certification.

**Group Certification**

*Case 1, 2, and 3:* The credit requirements apply to the LEED project boundary and all project buildings and project spaces pursuing LEED certification. The development footprints of all of the project buildings contained within the LEED project boundary (including those buildings that fall under the MPR#3 Specific Allowed Exceptions) must be included in the credit calculations.

---

**SS Credit 6.1: Stormwater Design-Quantity Control**

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

**Master Site**

The stormwater runoff calculations must account for the total area within the LEED campus boundary. The rate and quantity reduction requirements must be met for the total campus area as defined in the LEED campus boundary.

**Group Certification**

The stormwater runoff calculations must account for the total area within the LEED project boundary. The rate and quantity reduction requirements must be met at the LEED project boundary.

---

**SS Credit 6.2: Stormwater Design-Quality Control**

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

**Master Site**

The credit requirements apply to the area within the LEED campus boundary.

**Group Certification**

The credit requirements are applied to the total area within the LEED project boundary.

---

**SS Credit 7.1: Heat Island Effect: Non-roof**

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

**Master Site**

*Option 1:* The area of all of the site hardscape contained within LEED campus boundary (including hardscape associated with projects that are not pursuing LEED certification) must be included in the calculations for the credit.

*Option 2:* All of the parking located within the LEED campus boundary must be included in the calculations for the credit.

**Group Certification**

*Option 1:* The area of all of the site hardscape contained within the LEED project boundary (including hardscape associated with those buildings that fall under the MPR#3 Specific Allowed Exceptions) must be included in the calculations.

*Option 2:* All of the parking located within the LEED project boundary must be included in the calculations.

---

**SS Credit 7.2: Heat Island Effect: Roof**

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

**Master Site**

The credit cannot be pursued as a campus credit. Each LEED project referencing the Master Site may pursue the credit individually.

**Group Certification**

Submittal documentation should represent the total combined roof area for all LEED project buildings.

---

**SS Credit 8: Light Pollution Reduction**

Applicable Rating Systems				
NC	Schools	CS	Healthcare	Retail-NC

**Master Site**

*Exterior:* The exterior lighting credit requirements apply to the area within the LEED campus boundary.

*Interior:* Eligible as a campus credit only when using the Licensed Professional Exemption streamlined path for the interior lighting requirements or all buildings within the LEED Campus Boundary.

**Group Certification**

*Exterior:* The exterior lighting credit requirements apply to the area within the LEED project boundary.

*Interior:* Each building within the LEED project boundary must meet the credit requirements for interior lighting individually.

---

## SS Credit 9: Tenant Design and Construction Guidelines

Applicable Rating Systems
CS

### Master Site

The credit cannot be pursued as a campus credit. Each LEED project referencing the Master Site may pursue the credit individually.

### Group Certification

One Master Tenant Design & Construction Guideline may be used that includes a section for each building type and/or design included in the project.

---

## SS Credit 9: Site Master Plan

Applicable Rating Systems
Schools

### Master Site

At least 4 of the contributing credits (of SS9) must be attempted and earned as Campus Credits in order for this credit to be attempted as a Campus Credit.

### Group Certification

At least 4 of the contributing credits (of SS9) must be attempted and earned in order for this credit to be attempted.

---

## SS Credit 9.1: Connection to the Natural World- Places of Respite

Applicable Rating Systems
Healthcare

### Master Site

The credit cannot be pursued as a campus credit. Each LEED project referencing the Master Site may pursue the credit individually.

### Group Certification

The credit requirements must be applied to the total net useable program area within the LEED project boundary.

---

## SS Credit 9.2: Connection to the Natural World- Direct Exterior Access for Patients

Applicable Rating Systems
Healthcare

### Master Site

The credit cannot be pursued as a campus credit. Each LEED project referencing the Master Site may pursue the credit individually.



























































