



DOCUMENT ADDENDA

For the document titled: **LEED Reference Guide for Green Interior Design and Construction, 2009 Edition** *(first edition)*

Note: This document contains addenda to the reference guide listed above and will be published on a quarterly basis beginning in April 2010. For more information, visit the USGBC website <http://www.usgbc.org/leed/tools/interpretations>.

Page	Location	Credit	Credit Title	Issue	Post Date
n/a	n/a	n/a	n/a	Replace all instances of "[LEED] Registered Project Tools [website]" with "LEED Resources & Tools [website]"; the website (www.usgbc.org/projecttools) remains unchanged	1/8/2010
n/a	n/a	n/a	n/a	Replace all instances of "LEED-Online" with "LEED Online"	1/8/2010
i	Consensus-focused	n/a	n/a	In the fourth line of the second paragraph, replace the text "20036" with "20037" so it becomes "Washington, DC 20037"	4/14/2010
ii	DISCLAIMER	n/a	n/a	In the fourth line of the third paragraph, replace the text "20036" with "20037" so it becomes "Washington, DC 20037"	11/2/2009
xiv	When to Use LEED for Commercial Interiors	n/a	n/a	In the first paragraph, remove the last sentence, "Tenants who lease their space or do not occupy the entire building are eligible." (removed, see item below)	11/2/2009
xiv	When to Use LEED for Commercial Interiors	n/a	n/a	Replace the section with the following text: LEED for Commercial Interiors is appropriate for interior spaces that are undergoing alteration work. Please see the Rating System Selection Policy, located in the LEED Resources and Tools section of www.usgbc.org/projecttools , for more information about choosing a rating system.	11/3/2010
xiv*	Minimum Program Requirements	n/a	n/a	Replace the last sentence of the first paragraph with "To view the MPRs and the MPR Supplemental Guidance, visit the LEED Resources and Tools section of www.usgbc.org/projecttools ."	11/3/2010
xv	First paragraph on the page (starts with "as nonmembers")	n/a	n/a	In the second line of the paragraph, replace "errata" with "addenda"	11/3/2010

Page	Location	Credit	Credit Title	Issue	Post Date
xv	Credit Interpretation Requests and Rulings	n/a	n/a	<p>Replace the section with the following:</p> <p>In some cases, a LEED project team may encounter challenges when interpreting the requirements of a Minimum Program Requirement (MPR), prerequisite or credit for their project because a specific issue, situation, or a conflict is not addressed by available materials. To address such issues, two processes have been established for each LEED rating system: Project Credit Interpretation Rulings (Project CIR) and LEED Interpretations. See the USGBC and GBCI websites for more information, at www.usgb.org and www.gbci.org. Project CIRs and LEED Interpretations must be submitted online. Provide a brief but clear description of the challenge encountered, refer to the MPR, prerequisite or credit information found in the rating system, reference guide, or supporting documentation and emphasize the intent of the MPR, prerequisite or credit. If possible, the project team should offer potential solutions to the problem or a proposed interpretation. All communications related to Project CIRs and LEED Interpretations will be in electronic format.</p>	5/9/2011
xiv	Above Minimum Program Requirements section	n/a	n/a	<p>Insert the following section:</p> <p>Multiple Buildings and On-Campus Projects The 2010 LEED Application Guide for Multiple Buildings and On-Campus Building Projects (available at www.usgbc.org/campusguidance) provides guidance on applying the LEED rating systems to multiple-building and on-campus projects that are on a shared site under the control of a single entity; for example, a corporate or educational campus or government installation. The 2010 LEED Application Guide for Multiple Buildings and On-Campus Building Projects provides guidance for the certification of projects under the Design and Construction and Interior Design and Construction rating systems as well as the LEED for Existing Buildings: Operations & Maintenance rating system. The guidance does not create a new rating system. Users may follow this guidance and apply it to existing rating system requirements for projects on a campus.</p>	11/3/2010
xvi	Updates and Addenda	n/a	n/a	<p>Make the text "Updates and Addenda" larger and bold so it becomes "Updates and Addenda"</p>	1/8/2010

Page	Location	Credit	Credit Title	Issue	Post Date
xvi	Updates and Addenda	n/a	n/a	Remove the text of the second paragraph and replace with "Project teams are subject to Rating System addenda requirements based on registration date. It is strongly recommended that project teams adhere to the Reference Guide and Reference Guide addenda based on registration date. Rating System and Reference Guide addenda can be found on the USGBC's LEED Addenda website, www.usgbc.org/addenda . "	1/8/2010
xvi	IV. LEED-ONLINE DOCUMENTATION REQUIREMENTS	n/a	n/a	Below the section "Credit Substitution," add the following section: Units of Measurement Guidance In order to facilitate certification review by U.S.-based reviewers, it is necessary to submit pertinent aspects of review-related documentation in English and convert units to U.S. Standard (i.e. Imperial) units of measure, unless noted otherwise in the credit or prerequisite description. It is not necessary to translate every aspect of every construction document into English and imperial units, but only those necessary for evaluation of LEED criteria. The project team should be prepared to provide additional translation(s) if requested by the reviewer in their preliminary review comments.	11/3/2010
xvii	Construction Phase Review	n/a	n/a	Following this section, create a new section with the header "Design or Construction Phase Submittal" and insert the table in the supplemental document: https://www.usgbc.org/ShowFile.aspx?DocumentID=8587	12/2/2009
xix	VII. EXEMPLARY PERFORMANCE STRATEGIES	n/a	n/a	Following the first line in the Sustainable Sites section, insert the text "SS Credit 2 Development Density and Community Connectivity" as a new line	4/14/2010
xix	VIII. REGIONAL PRIORITY	n/a	n/a	Remove the "1 point per credit" language so that the sentence reads: "Each Regional Priority credit is worth an additional 1 point, and a total of 4 additional points may be earned by achieving Regional Priority credits."	1/4/2016
xx	IX. TOOLS FOR REGISTERED PROJECTS	n/a	n/a	In the second line of the paragraph, replace "errata" with "addenda"	11/3/2010
xx	IX. TOOLS FOR REGISTERED PROJECTS	n/a	n/a	Make the first sentence of the second paragraph bold so it becomes " Declarant Definitions and Other Definitions. "	11/3/2010

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xx	IX. TOOLS FOR REGISTERED PROJECTS	n/a	n/a	In the third paragraph of the, replace the text with the following: Licensed Professional Exemption. Licensed Professional Exemptions (LPEs) can be used by a project team's registered professional engineer, registered architect, registered interior designer, or registered landscape architect as a streamlined path for documenting certain credits, or bypassing otherwise-required submittals. License information and an Exemption Signature in LEED Online are required to document each exemption the project team wishes to claim. Licensed Professional Exemptions are noted in the corresponding credit documentation section of LEED Online.	11/2/2009
xx	X. HOW TO USE THIS REFERENCE GUIDE	n/a	n/a	In the fourth line of the paragraph, remove the text "case studies of buildings that have implemented these strategies successfully,"	1/8/2010
5*	PATH 2	SSc1	Site Selection	In the last line of the first paragraph, replace the "Đ" with "1/2" in the text so it becomes "...predevelopment 1 1/2 year 24-hour rate..."	12/2/2009
5*	Path 1	SSc1	Site Selection	Remove parentheses surrounding "by an ASTM E1903-97 Phase II Environmental Site Assessment or a local voluntary cleanup program"	10/1/2012
5*	Path 1	SSc1	Site Selection	Add "Projects outside the U.S. may use a local equivalent to ASTM E1903-97 Phase II Environmental Site Assessment." after first sentence.	10/1/2012
5*	Path 1	SSc1	Site Selection	The second paragraph should read: "A building on a site classified as a brownfield by a local, state, tribal or national government agency, whichever is most stringent."	10/1/2012
8	Environmental Issues	SSc1	Site Selection	Revise the second paragraph to say, "Certification of a building under any of the Building Design and Construction Rating Systems or Building Operations and Maintenance Rating Systems signifies that building owners have already taken significant steps to protect ecosystems and biodiversity, conserve valuable resources, and provide healthful indoor environments for building occupants."	8/1/2011
9	13. Definitions	SSc1	Site Selection	In alphabetical order, add the term " Building footprint is the area on a project site used by the building structure, defined by the perimeter of the building plan. Parking lots, parking garages, landscapes, and other nonbuilding facilities are not included in the building footprint."	8/1/2011

Page	Location	Credit	Credit Title	Issue	Post Date
9	13. Definitions	SSc1	Site Selection	Remove the text "There are no definitions for this credit." and insert the following: Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space.	1/8/2010
10	4. Implementation	SSc1	Site Selection	At the end of the paragraph, add the following text: Projects where asbestos is found and remediated may also earn this credit. Testing should be done in accordance with EPA Reg 40CFR part 763, when applicable.	11/3/2010
11	7. Documentation Guidance	SSc1	Site Selection	Under the first bullet, add a second bullet with the following text: For projects where asbestos is found, prepare executive summary-level content from the investigation's report explaining the extent of the contamination and required action as well as documentation indicating an acceptable level of remediation was achieved based on an acceptable standard, such as RCRA or NESHAPs.	11/3/2010
11	12. Resources	SSc1	Site Selection	Under the word "Websites," add the following resources: U.S. EPA, Asbestos http://www.epa.gov/asbestos/index.html This website provides information on the health effects of asbestos, where it is commonly found, and the laws and regulations governing testing of sites containing asbestos.	11/3/2010
11	13. Definitions, brownfield	SSc1	Site Selection	Replace "whose use" with "or the expansion, redevelopment, or reuse of which"	10/1/2012
15	Equation 2	SSc1	Site Selection	In the box, replace the numerator "Total Pervious Area (sf)" with "Total Impervious Area (sf)"	11/2/2009
45	8. Example	SSc1	Site Selection	In the eighth line of the paragraph, replace the text "47%" with "55%" so it becomes "...an imperviousness of 55% and the..." (revised 7/19/2010, see below)	11/2/2009
15	8. Example	SSc1	Site Selection	In the eighth line of the paragraph, replace "50%" with "49%"	7/19/2010

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15	Table 2	SSc1	Site Selection	In the sixth line "Total Area," replace "14,660" with "19,166"	7/19/2010
15	Table 2	SSc1	Site Selection	In the seventh line "Total Impervious Area," replace "8,100" with "9,001"	7/19/2010
15	Table 2	SSc1	Site Selection	In the eighth line "Imperviousness," replace "55%" with "47%"	7/19/2010
15	Table 3	SSc1	Site Selection	In the third line "Total Area," replace "14,660" with "19,166"	7/19/2010
16	10. Regional Variations	SSc1	Site Selection	In the second line of the paragraph, replace the text "1-year and 2-year" with "1 1/2 year" so it becomes "...the 1 1/2 year 24-hour design storms..."	12/2/2009
22	Table 1	SSc1	Site Selection	Replace SRI for "Typical new gray concrete" with 38	5/9/2011
26	Sixth definition	SSc1	Site Selection	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
28	6. Calculations	SSc1	Site Selection	In item 2, add "skylights" to the list of things deducted from the roof area so that the sentence reads, "Determine the area of the roof covered by mechanical equipment, solar energy panels, skylights, and other appurtenances, and deduct these areas from the total roof surface area."	8/1/2011
29	9. Exemplary Performance	SSc1	Site Selection	Replace the term "photovoltaic panels" with "solar energy panels" and add "other appurtenances" to the list of things deducted from the roof area so that the sentence reads "Projects may earn an Innovation in Design (ID) credit for exemplary performance by demonstrating that 100% of the project's roof area (excluding any mechanical equipment, solar energy panels, skylights, and other appurtenances) consists of a vegetated roof system."	8/1/2011
30	13. Definitions	SSc1	Site Selection	In alphabetical order, add the term "An appurtenance is any built-in, nonstructural portion of a roof system, such as skylights, ventilators, mechanical equipment, partitions, and solar energy panels."	8/1/2011
30	13. Definitions, heat island effect	SSc1	Site Selection	In the second sentence, delete "Particularly in urban areas"; revise the last clause so that it reads, "Other sources may include vehicle exhaust, air-conditioners, and street equipment. Reduced airflow because of tall buildings and narrow streets exacerbate the effect."	10/1/2012

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31	13. Definitions	SSc1	Site Selection	In alphabetical order, add the term, " Roof area is the area of the uppermost surface of the building which covers enclosed Gross Floor Area, as measured when projected onto a flat, horizontal surface (i.e. as seen in Roof Plan view). 'Roofs', or portions of roofs, covering unenclosed areas (e.g. roofs over porches and open covered parking structures) are not included in the areas used to evaluate compliance with Path 5, though they may be applicable to Path 4."	8/1/2011
31	Third definition	SSc1	Site Selection	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
31	13. Definitions, solar reflectance, or albedo	SSc1	Site Selection	Replace the definition of " solar reflectance (SR) " with "the fraction of solar energy that is reflected by a surface on a scale of 0 to 1. Black paint has a solar reflectance of 0; white paint (titanium dioxide) has a solar reflectance of 1. The standard technique for its determination uses spectrophotometric measurements, with an integrating sphere to determine the reflectance at each wavelength. The average reflectance is then determined by an averaging process, using a standard solar spectrum, as documented by ASTM Standards E903 and E892."	10/1/2012
34	Definitions	SSc1	Site Selection	In alphabetical order, insert the term " emergency lighting " with the text "Emergency lighting as defined by the Illuminating Engineering Society of North America is lighting designed to supply illumination essential to the safety of life and property in the event of failure of the normal supply."	5/9/2011
42	13. Definitions, graywater	SSc1	Site Selection	Replace the definition of "graywater" with " Graywater is untreated household waste water which has not come into contact with toilet waste. Graywater typically includes used water from bathtubs, showers, bathroom wash basins, and water from clothes-washer and laundry tubs, though definitions may vary. Some states and local authorities also allow kitchen sink wastewater to be included in graywater. Project teams should comply with the graywater definition established by the authority having jurisdiction in the project area."	10/1/2012
45	4. Implementation	SSc1	Site Selection	In the third line of the first paragraph, insert a "be" between the words "should" and "treated" so the text becomes "...on-site wastewater should be treated..."	11/2/2009
52	13. Definitions, blackwater	SSc1	Site Selection	Replace the first sentence with, " Blackwater is wastewater containing urine or fecal matter that should be discharged to the sanitary drainage system of the building or premises in accordance with the International Plumbing Code."	10/1/2012

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52	13. Definitions, graywater	SSc1	Site Selection	Replace the definition of "graywater" with " Graywater is untreated household waste water which has not come into contact with toilet waste. Graywater typically includes used water from bathtubs, showers, bathroom wash basins, and water from clothes-washer and laundry tubs, though definitions may vary. Some states and local authorities also allow kitchen sink wastewater to be included in graywater. Project teams should comply with the graywater definition established by the authority having jurisdiction in the project area."	10/1/2012
53	First definition	SSc1	Site Selection	Insert the term Tenant space in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
55	Calculating Occupancy	SSc1	Site Selection	In the third paragraph, remove the text "If Occupancy is not known, see Appendix 1, Default Occupancy Counts, for requirements and guidance."	12/2/2009
59	3. Summary of Referenced Standard	SSc1	Site Selection	Below the section title, replace the "ñ" of "ANSI/ASHRAE/IESNA 90.1ñ2007" with a dash so the text becomes "ANSI/ASHRAE/IESNA 90.1-2007"	11/2/2009
60	Technologies	SSc1	Site Selection	In the fifth line of the second paragraph, replace the word "note" with "not" so the text becomes "...on-site but does not store..."	11/2/2009
66	4. Implementation	SSc1	Site Selection	Remove the entire section's text and replace with: (revised 2/24/2010, see below)	11/2/2009
	<p>(text relating to above issue)</p> <p>Choose a base building that has achieved an environmental performance characteristic for at least 1 credit found in another LEED rating system, but not listed in Option2, Paths 1 through 11 or that has achieved an additional point for exemplary performance, as appropriate, in the credit listed in Option2, Paths 1 through 11. Innovation in Design credits that are not addressed by existing credits in other LEED rating systems will also be considered.</p> <p>For projects attempting to earn a point for this path by achieving an environmental performance characteristic for at least 1 credit not listed in listed in Option2, Paths 1 through 11. The Eligibility Criteria that selected credits must meet include:</p> <ul style="list-style-type: none"> • applicability to the entire building or site; • demonstration of an ongoing performance impact (environmental, health, etc.); and • selection of credits that are unaddressed by the LEED for Green Interior Design and Construction, 2009 Edition and found in the applicable • LEED 2009 Rating Systems, such as LEED for Green Building Design and Construction, 2009 Edition and LEED for Green Building 				

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			<ul style="list-style-type: none">Operations and Maintenance, 2009 Edition or that have overlapping strategies with credits found in the LEED-CI Rating System, but are qualified by the notes provided below to prevent double-counting. <p>Per the criteria listed above, specific guidance has been provided for select credits below:</p> <p>Table: Pre-approved credits for use with LEED-CI SSc1, Option 2, Path 12</p> <table><tr><th>LEED 2009 for New Construction Credits</th><th>Conditions for Use</th></tr><tr><td>SSc4.3: Alternative Transportation - Low-Emitting and Fuel Efficient Vehicles</td><td>No special conditions apply</td></tr><tr><td>EAp1: Fundamental Commissioning of Building Energy Systems</td><td>Eligible if project meets the following conditions: 1. The project is located within a building that is less than 5 years old. 2. The project scope (tenant scope) does not include HVAC&R systems as they are a part of the base building system. 3. Project area is less than 50% of the total building area.</td></tr><tr><td>EAc3: Enhanced Commissioning</td><td>Eligible if project meets the following conditions: 1. The project is located within a building that is less than 5 years old. 2. The project scope (tenant scope) does not include HVAC&R systems as they are a part of the base building system. 3. Project area is less than 50% of the total building area.</td></tr><tr><td>EAc4: Enhanced Refrigerant Management</td><td>No special conditions apply</td></tr><tr><td>EAc5: Measurement and Verification</td><td>Eligible if project meets the following conditions: 1. The project scope (tenant scope) does not include HVAC&R systems as they are part of the base building system. 2. Project area is less than 75% of the total building area. 3. The tenant shares common spaces in the building, such as lobby, corridors, and restrooms.</td></tr></table> <table><tr><th>LEED 2009 for Existing Buildings: Operations and Maintenance Credits</th><th>Conditions for Use</th></tr><tr><td>SSc2: Building Exterior and Hardscape Management Plan</td><td>No special conditions apply</td></tr><tr><td>SSc3: Integrated Pest Management, Erosion Control, and Landscape Management Plan</td><td>No special conditions apply</td></tr><tr><td>SSc5 Site Development – Protect or Restore Open Habitat</td><td>No special conditions apply</td></tr><tr><td>WEc4: Cooling Tower Water Management</td><td>No special conditions apply</td></tr><tr><td>EAp1: Energy Efficiency Best Management Practices – Planning, Documentation, and Opportunity Assessment</td><td>Eligible if project meets the following conditions: 1. The project is located within a building that is 5 years or older. 2. The project scope (tenant scope) does not include HVAC&R systems as they are a part of the base building system. 3. Project area is less than 50% of the total building area.</td></tr><tr><td>EAc1: Optimize Energy Performance</td><td>No special conditions apply</td></tr><tr><td>EAc2.1: Existing Building Commissioning – Investigation and Analysis</td><td>Eligible if project meets the following conditions: 1. The project is located within a building that is 5 years or older.</td></tr></table>			LEED 2009 for New Construction Credits	Conditions for Use	SSc4.3: Alternative Transportation - Low-Emitting and Fuel Efficient Vehicles	No special conditions apply	EAp1: Fundamental Commissioning of Building Energy Systems	Eligible if project meets the following conditions: 1. The project is located within a building that is less than 5 years old. 2. The project scope (tenant scope) does not include HVAC&R systems as they are a part of the base building system. 3. 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LEED 2009 for Existing Buildings: Operations and Maintenance Credits	Conditions for Use	SSc2: Building Exterior and Hardscape Management Plan	No special conditions apply	SSc3: Integrated Pest Management, Erosion Control, and Landscape Management Plan	No special conditions apply	SSc5 Site Development – Protect or Restore Open Habitat	No special conditions apply	WEc4: Cooling Tower Water Management	No special conditions apply	EAp1: Energy Efficiency Best Management Practices – Planning, Documentation, and Opportunity Assessment	Eligible if project meets the following conditions: 1. The project is located within a building that is 5 years or older. 2. The project scope (tenant scope) does not include HVAC&R systems as they are a part of the base building system. 3. Project area is less than 50% of the total building area.	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	MRc4: Sustainable Purchasing - Reduced Mercury in Lamps			No special conditions apply	
	MRc5: Sustainable Purchasing- Food			No special conditions apply	
	MRc6: Solid Waste Management – Waste Stream			No special conditions apply	
	MRc7: Solid Waste Management – Ongoing Consumables			No special conditions apply	
	MRc8: Solid Waste Management –Durable Goods			No special conditions apply	
	IEQp3: Green Cleaning Policy			No special conditions apply	
	IEQc1.1: Indoor Quality Best Management Practices – Indoor Air Quality Management Program			No special conditions apply	
	IEQc3.6: Green Cleaning – Indoor Integrated Pest Management			No special conditions apply	
	<p>For projects attempting to earn a point for this credit by achieving exemplary performance for eligible credits in SS Credit 1, Option 2, Paths 1 through 11, documentation of exemplary performance must be provided. The same approach can be taken for Innovation in Design credits that are not included in Option 2, Paths 1 through 11, however, these credits must meet the 4 Eligibility Criteria listed above.</p> <p>A maximum of 1 additional point can be awarded if the specified threshold is achieved.</p>				
69*	OPTION 2	SSc2	Development Density and Community Connectivity	In the first line of the second paragraph, remove second comma after "projects" so the text becomes "For mixed-use projects, no more than..."	12/2/2009
70	Economic Issues	SSc2	Development Density and Community Connectivity	In the sixth line of the paragraph, remove the “Đ” in the text so it becomes “...of physical activity both of...”	11/2/2009
74	Equation 2	SSc2	Development Density and Community Connectivity	Above the image of a sample area plan, replace “Figure 1” with “Figure 2”	11/2/2009
75	Table 3	SSc2	Development Density and Community Connectivity	In the fifteenth line of Table 3 with the text “Total Building Space,” add a “5” to the end of the number “1,018,36” so it becomes “1,018,365”	11/2/2009
75	9. Exemplary Performance	SSc2	Development Density and Community Connectivity	Replace the text with the following: The following exemplary performance paths are available for projects that have earned Option 1 under SS Credit 2: 1. The project building itself must have a density at least double that of the average density within the calculated area, OR 2. The average density within an area twice as large as that for the base credit achievement must be at least 120,000 square feet per acre. To double the area, use equation 2 but double the project site area first.	4/14/2010

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75	11. Operations and Maintenance Considerations	SSc2	Development Density and Community Connectivity	In the first line of the paragraph, insert the word “poor” between “have” and “air” so the text becomes “Densely developed communities may have poor air quality...”	11/2/2009
76	13. Definitions	SSc2	Development Density and Community Connectivity	Replace the definition of “ Previously developed sites ” with “Previously developed sites are those altered by paving, construction, and/or land use that would typically have required regulatory permitting to have been initiated (alterations may exist now or in the past). Previously developed land includes a platted lot on which a building was constructed if the lot is no more than 1 acre; previous development on lots larger than 1 acre is defined as the development footprint and land alterations associated with the footprint. Land that is not previously developed and altered landscapes resulting from current or historical clearing or filling, agricultural or forestry use, or preserved natural area use are considered undeveloped land. The date of previous development permit issuance constitutes the date of previous development, but permit issuance in itself does not constitute previous development.”	11/1/2011
79*	Option 1	SSc3.1	Alternative Transportation-Public Transportation Access	The Option 1 title should read: “OPTION 1. Rail Station, Bus Rapid Transit Station & Ferry Terminal Proximity”	10/1/2012
79*	Option 1	SSc3.1	Alternative Transportation-Public Transportation Access	Remove “or” before “subway station”	10/1/2012
79*	Option 1	SSc3.1	Alternative Transportation-Public Transportation Access	Add “bus rapid transit ¹ station or commuter ferry terminal.” to the end of the option.	10/1/2012
79*	Option 1	SSc3.1	Alternative Transportation-Public Transportation Access	<p>After Option 2, add the following:</p> <p>“OR</p> <p>OPTION 3. Rideshare Proximity</p> <p>Projects outside the U.S. may locate the project within 1/4-mile (400-meter) walking distance (measured from a main building entrance) of 1 or more stops for 2 or more existing rideshare options² that that meet the definition of public transportation³ and are authorized by the local transit authority if one exists.”</p>	10/1/2012

Page	Location	Credit	Credit Title	Issue	Post Date
79*	Footnotes	SSc3.1	Alternative Transportation-Public Transportation Access	<p>Add the following footnotes to the bottom of the page:</p> <p>¹Bus rapid transit an enhanced bus system that operates on exclusive bus lanes or other transit rights-of-way; it is designed to combine the flexibility of buses with the efficiency of rail.</p> <p>²Rideshare is a transit service that involves sharing a single vehicle with multiple people, excluding large-scale vehicles such as buses and trains. The rideshare transit facility must include a signed stop and a clearly defined waiting area. Additionally, the rideshare must include an enclosed passenger seating area, fixed route service, fixed fare structure, continuous daily operation, and the ability to pick up and drop off multiple riders. Rideshare options must hold 4 or more passengers, except for human-powered conveyances which must hold 2 or more passengers.</p> <p>³Public transportation consists of bus, rail, or other transit services for the general public that operate on a regular, continual basis.</p>	10/1/2012
81	First paragraph	SSc3.1	Alternative Transportation – Public Transportation Access	Add the following sentence to the end of the first paragraph, "Shuttle buses should provide direct access to transit facilities within 2 miles of the project site, approximately a 5-10 minute drive, and must be available to all project occupants."	4/1/2012
82	OPTION 1	SSc3.1	Alternative Transportation – Public Transportation Access	In the second line of the paragraph, remove the word "through" so the text becomes "...personal automobile use by providing..."	11/2/2009
82	OPTION 2	SSc3.1	Alternative Transportation – Public Transportation Access	In the third line of the paragraph, remove the apostrophe after the word "Policy" so the text becomes "...Clean Air Policy has found..."	11/2/2009
84	13. Definitions	SSc3.1	Alternative Transportation – Bicycle Storage and Changing Rooms	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
90	13. Definitions	SSc3.2	Alternative Transportation – Public Transportation Access	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
91*	Case 1, Option 1	SSc3.3	Alternative Transportation – Parking Availability	Add a superscript for footnote 1 to each occurrence of the term "preferred parking".	11/1/2011

Page	Location	Credit	Credit Title	Issue	Post Date								
91*	Case 1, Option 1	SSc3.3	Alternative Transportation – Parking Availability	Add the following to footnote 1, "To establish a meaningful incentive in all potential markets, the parking rate must be discounted at least 20%. The discounted rate must be available to all eligible customers (i.e. not limited to the number of customers equal to 5% of the vehicle parking capacity), publicly posted at the entrance of the parking area, and available for a minimum of 2 years."	11/1/2011								
93	Top of page	SSc3.3	Alternative Transportation – Parking Availability	Remove the text "Projects have met the credit requirements if they locate in a LEED-certified building that has also achieved this credit."	2/2/2011								
95	13. Definitions	SSc3.3	Alternative Transportation – Parking Availability	Insert the term “Tenant space” in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010								
99*	Intent	WEp1	Water Use Reduction	In the paragraph, replace the word “buildings” with “tenant space” so the text becomes “...within the tenant space to reduce...”	11/2/2009								
99*	Requirements	WEp1	Water Use Reduction	In the first line of the first paragraph, replace the word “buildings” with “tenant space” so the text becomes “...calculated for the tenant space (not...”	11/2/2009								
99*	Requirements	WEp1	Water Use Reduction	Replace the second paragraph with the following: Calculate the baseline according to the commercial and/or residential baselines outlined below.□ Calculations are based on estimated occupant usage and must include only the following fixtures and fixture fittings located within the tenant space: water closets, urinals, lavatory faucets, showers, kitchen sink faucets and prerinse spray valves.□	7/19/2010								
99*	Commercial Water Baseline Table	WEp1	Water Use Reduction	Add “Imperial Units” after “Current Baseline” in the second column	10/1/2012								
99*	Commercial Water Baseline Table	WEp1	Water Use Reduction	<div>Add a third column to the table, reading as follows:</div> <table><tr><th>Current Baseline (Metric Units)</th></tr><tr><td>6 liters per flush (lpf)</td></tr><tr><td>Except blow-out fixtures: 13.5 lpf</td></tr><tr><td>4.0 lpf</td></tr><tr><td>8.5 liters per minute (lpm) at 4 bar (58 psi), private applications only (hotel or motel guest rooms, hospital patient rooms)</td></tr><tr><td>2.0 lpm at 4 bar (58 psi), all others except private applications</td></tr><tr><td>1 liter per cycle for metering faucets</td></tr><tr><td>Flow rate ≤ 6 lpm (no pressure specified; no performance requirement)</td></tr></table>	Current Baseline (Metric Units)	6 liters per flush (lpf)	Except blow-out fixtures: 13.5 lpf	4.0 lpf	8.5 liters per minute (lpm) at 4 bar (58 psi), private applications only (hotel or motel guest rooms, hospital patient rooms)	2.0 lpm at 4 bar (58 psi), all others except private applications	1 liter per cycle for metering faucets	Flow rate ≤ 6 lpm (no pressure specified; no performance requirement)	10/1/2012
Current Baseline (Metric Units)													
6 liters per flush (lpf)													
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1 liter per cycle for metering faucets													
Flow rate ≤ 6 lpm (no pressure specified; no performance requirement)													

Page	Location	Credit	Credit Title	Issue	Post Date
99*	Residential Water Baseline Table	WEp1	Water Use Reduction	Add “Imperial Units” after “Current Baseline” in the second column	10/1/2012
99*	Residential Water Baseline Table	WEp1	Water Use Reduction	Add a third column to the table, reading as follows:	10/1/2012
				Current Baseline (Metric Units)	
				6 liters per flush (lpf)	
				8.5 lpm at 4 bar (58 psi)	
9.5 lpm at 5.5 bar (80 psi) per shower stall					
99*	Footnotes	WEp1	Water Use Reduction	Below footnote 1, insert the following: <input type="checkbox"/> Projects where fixtures or fixture fittings are not within the tenant space are exempt from WE Prerequisite 1.	7/19/2010
101	Environmental Issues	WEp1	Water Use Reduction	Remove both instances of “potable” in the section	7/19/2010
102	4. Implementation	WEp1	Water Use Reduction	Replace the first, second, third, and fourth paragraphs with the following: (see below text)	7/19/2010
<p>(text relating to above issue)</p> <p>The water use reduction credit calculation is based on occupancy. For example, when restrooms are not a part of the tenant space, it is important to evaluate the plumbing in common areas of the building that will be used to meet the needs of the occupants. If the base building does not have high-performance fixtures, the project team should encourage building owners to consider upgrades to existing fixtures as part of the lease negotiations in order to pursue additional water use savings and potential credit under WE Credit 1.</p> <p>Effective ways to reduce potable water use include installing flow restrictors and reduced flow aerators on lavatory, sink, and shower fixtures; installing and maintaining metering faucets ; installing high-efficiency fixtures such as high-efficiency water closets and urinals.</p> <p>In certain cases, faucets with low-flow rates are not appropriate. For example, in kitchen sinks, faucets are used to fill pots and buckets. Using a low-flow rate for tasks where the volume of water is predetermined does not save water and will likely cause user dissatisfaction and inefficiencies. Consider alternative strategies to reduce water use, such as installing special-use pot fillers and high-efficiency faucets or foot pedal–operated faucets.</p> <p>WaterSense, a partnership program sponsored by EPA, helps consumers identify water-efficient products and programs. WaterSense-labeled products exceed the requirements of the Uniform Plumbing Code and the International Plumbing Code standards for some high-efficiency fixtures or fittings. A variety of WaterSense labeled products and other high-efficiency plumbing fixtures, fittings, and appliances can be installed in the same way as conventional EPAct plumbing fixtures and fittings, as well as Energy Star appliances.</p>					
102	4. Implementation	WEp1	Water Use Reduction	Remove the paragraph beginning with, "Although water-efficient dishwashers..."	5/9/2011

Page	Location	Credit	Credit Title	Issue	Post Date
102	4. Implementation	WEp1	Water Use Reduction	In the third line of the fifth paragraph, replace the text "WE Credit 3" with "WE Credit 1."	4/14/2010
102	4. Implementation	WEp1	Water Use Reduction	In the first line of the sixth paragraph, replace "conservation" with "efficiency"	7/19/2010
103	Table 1	WEp1	Water Use Reduction	In the fourth row of the table in the "EPA WaterSense Standards" column, replace "1.5 - 2.0^b" with "2.0^b"	7/19/2010
103	Table 1	WEp1	Water Use Reduction	In the eighth row of the table in the "Fixture" column, remove the text "and janitor" so it becomes "Kitchen sink faucets"	11/2/2009
103	Table 1	WEp1	Water Use Reduction	In footnote "b," replace "2.0 gmp" with "2.0 gpm"	7/19/2010
104	6. Calculations, Calculating Occupancy	WEp1	Water Use Reduction	At the end of the section, insert the following text as a new paragraph: "For hospitality projects, FTE and transient occupants are calculated per the typical methodology for the respective occupancy types. Hotel guests may be determined based on the number and size of units in the project. Generally, assume 1.5 occupants per guest room and multiply the resulting total by 60% (average hotel occupancy per AH&LA information) to determine the total number of hotel guests. Alternatively, occupants may be derived from actual historical occupancy numbers. Fixture use assumptions for hotel guests follow the fixture assumptions for residential occupants. Accordingly, lavatories located in guest rooms are considered to be private lavatories. Additionally, day use guests at the hotel should be included in the value for transient / visitor occupants. Per typical fixture use assumptions, this category of occupants assumes zero shower uses throughout the day. Example: 123-room hotel Total Hotel Guests = 123*1.5 * 60% Total Hotel Guests = 111"	4/1/2013
105	Table 2	WEp1	Water Use Reduction	Replace the table with two tables in the supplemental document: https://www.usgbc.org/ShowFile.aspx?DocumentID=8590	11/2/2009 (updated 2/2/2011)
105	Table 2a (see above)	WEp1	Water Use Reduction	In the sixth row ("Lavatory Faucet") row of the table in the 11/2/2009 addenda, replace the duration (sec) of 15 with 30	2/2/2011
105	Table 2a (see above)	WEp1	Water Use Reduction	In the sixth row ("Lavatory Faucet") row of the table in the 11/2/2009 addenda, replace the related note below table with "Default duration for the metering type / autocontrol faucet is 15 seconds for the baseline and 42 seconds for the design case."	5/9/2011
105	Table 2a (see above)	WEp1	Water Use Reduction	Replace the baseline in the related note below table with "Default duration for the metering type / autocontrol lavatory faucet is 0.25 gallons per cycle (gpc) for the baseline case and 12 seconds for the design case."	4/1/2013

Page	Location	Credit	Credit Title	Issue	Post Date
105	Design Case Water Consumption	WEp1	Water Use Reduction	In the second line of the first paragraph, remove "and subtracting any nonpotable water supply"	7/19/2010
105	Design Case Water Consumption	WEp1	Water Use Reduction	<p>Private or private use applies to plumbing fixtures in residences, apartments, and dormitories; private (non-public) bathrooms in transient lodging facilities (hotels and motels); and private bathrooms [and patient rooms] within hospitals and nursing facilities.</p> <p>Add the following to eligible fixtures section:</p> <p>For healthcare projects, fixtures used for clinical use related to medical procedures, such as surgical scrub sinks and exam rooms sinks, in hospitals and medical office buildings are excluded from the water use calculations. Medication room sinks, utility room sinks, and other exam/procedure/observation room sinks for clinical use are also excluded. Should exam/procedure/observation room sinks be used primarily for hand-washing, they may be included in the water use calculations at the project team's discretion under the public lavatory category. If included, project teams should provide a narrative explaining the usage assumptions for these sinks.</p> <p>Lavatories in hospital inpatient bathrooms and inpatient rooms are considered private. The inpatient lavatory and water closet should use the default residential usage assumptions (of five times per day per residential occupant), unless specific project conditions warrant an alternative. Lavatories in hospital inpatient rooms (outside the bathrooms) are considered private if used by patients and/or staff similarly to a residential lavatory, or can be exempt if they are used by staff primarily for medical or clinical use.</p> <p>Nutrition station (pantry) sinks and hospital staff lounge sinks should be included in the water use calculations under the kitchen sink category.</p>	
106	Table 4	WEp1	Water Use Reduction	In the fifth row of the table in the column "Flow rate," replace "1.8gpm" with " ≤ 2.2 gpm"	7/19/2010
106	Table 4	WEp1	Water Use Reduction	In the seventh row of the table in the "Flow Fixture" column, replace "Low-flow shower" with "WaterSense shower"	7/19/2010
106	Table 4	WEp1	Water Use Reduction	In the seventh row of the table in the "Flow Rate" column, replace "1.8 gpm" with " ≤ 2.0 gpm"	7/19/2010

Page	Location	Credit	Credit Title	Issue	Post Date
106	Paragraph under Table 4	WEp1	Water Use Reduction	Replace the first sentence with "Private or private use applies to plumbing fixtures in residences, apartments, and dormitories, to private (non-public) bathrooms in transient lodging facilities (hotels and motels), and to private bathrooms in hospitals and nursing facilities."	7/19/2010
106	Eligible Fixtures	WEp1	Water Use Reduction	Replace the section text with the following: The "Kitchen sinks" category encompasses all sinks in public or private buildings that are used with patterns and purposes similar to a sink in a residential kitchen; break room sinks would be included. However professional grade / commercial faucets such as those used in a commercial kitchen would not be included. The "Public lavatory faucets" and "Private lavatory faucets" categories encompass all sinks used primarily for hand-washing regardless of location. Faucets whose usage patterns and flow rates are regulated for medical or industrial purposes (e.g. laboratory sinks) and do not fall under the definition of private or public use are not included. Faucets used exclusively for filling operations (e.g. pot-filler) can be excluded. All other fixtures and fixtures fittings must be included in the calculations unless there are special circumstances that justify excluding them.	2/2/2011
106	6. Calculations, Eligible Fixtures	WEp1	Water Use Reduction	Below the first paragraph, enter the following text as a new paragraph: "For hospitality projects, commercial kitchen sinks and bar sinks including pot sinks, prep sinks, wash down, and cleaning sinks are considered process water and are not included in the water use calculations. Hand washing sinks located in commercial kitchen areas that do not pass through a grease interceptor should be included in the water use calculations under the kitchen sink category."	4/1/2013
107	12. Resources	WEp1	Water Use Reduction	In alphabetical order, insert the following text: Alliance for Water Efficiency http://www.allianceforwaterefficiency.org/ The Alliance for Water Efficiency provides information and assistance on water conservation efforts.	7/19/2010
107	12. Resources	WEp1	Water Use Reduction	Remove the following text: Fine Homebuilding Choosing a Toilet http://www.taunton.com/finehomebuilding/pages/h00042.asp This article includes several varieties of water-efficient toilets.	7/19/2010

Page	Location	Credit	Credit Title	Issue	Post Date
107	12. Resources	WEp1	Water Use Reduction	In the resource "Rocky Mountain Institute, Water," replace the text below the resource header with the following: http://www.rmi.org/rmi/pid172 This portion of RMI's website is devoted to water resource efficiency.	7/19/2010
108	12. Resources	WEp1	Water Use Reduction	Remove the following text: U.S. EPA, Water Use Efficiency Program http://www.epa.gov/owm/water-efficiency This website provides an overview of EPA's Water Use Efficiency Program and information about using water more efficiently.	7/19/2010
108	12. Resources	WEp1	Water Use Reduction	Replace the resource "Water Closet Performance Testing," with the following: Water Studies http://www.ebmud.com/resource-center/publications/studies The site provides a variety of studies related to water.	7/19/2010
108	13. Definitions	WEp1	Water Use Reduction	In alphabetical order, add the following definition for autocontrol faucets, " Autocontrol faucets have automatic fixture sensors or metering controls."	4/1/2012
108	13. Definitions	WEp1	Water Use Reduction	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
111*	Intent	WEc1	Water Use Reduction	In the first line of the paragraph, replace the word "buildings" with "tenant space" so the text becomes "...efficiency within tenant spaces to reduce..."	11/2/2009
111*	Requirements	WEc1	Water Use Reduction	In the first line of the first paragraph, replace the word "building" with "tenant space" so the text becomes "...for the tenant spaces (not..."	11/2/2009

Page	Location	Credit	Credit Title	Issue	Post Date								
111*	Requirements	WEc1	Water Use Reduction	<p>Replace the second paragraph beginning with “Calculate the baseline” with the following:</p> <p>Calculate the baseline according to the commercial and/or residential baselines outlined below. □ Calculations are based on estimated occupant usage and must include only the following fixtures and fixture fittings necessary to meet the needs of the occupants including fixtures and fixture fittings that may be outside the tenant space: water closets, urinals, lavatory faucets, showers, kitchen sink faucets and pre-rinse spray valves.</p>	7/19/2010								
111*	Commercial Water Baseline Table	WEc1	Water Use Reduction	Add “Imperial Units” after “Current Baseline” in the second column	10/1/2012								
111*	Commercial Water Baseline Table	WEc1	Water Use Reduction	<p>Add a third column to the table, reading as follows:</p> <table><tr><td>Current Baseline (Metric Units)</td></tr><tr><td>6 liters per flush (lpf)</td></tr><tr><td>Except blow-out fixtures: 13.5 lpf</td></tr><tr><td>4.0 lpf</td></tr><tr><td>8.5 liters per minute (lpm) at 4 bar (58 psi), private applications only (hotel or motel guest rooms, hospital patient rooms)</td></tr><tr><td>2.0 lpm at 4 bar (58 psi), all others except private applications</td></tr><tr><td>1 liter per cycle for metering faucets</td></tr><tr><td>Flow rate ≤ 6 lpm (no pressure specified; no performance requirement)</td></tr></table>	Current Baseline (Metric Units)	6 liters per flush (lpf)	Except blow-out fixtures: 13.5 lpf	4.0 lpf	8.5 liters per minute (lpm) at 4 bar (58 psi), private applications only (hotel or motel guest rooms, hospital patient rooms)	2.0 lpm at 4 bar (58 psi), all others except private applications	1 liter per cycle for metering faucets	Flow rate ≤ 6 lpm (no pressure specified; no performance requirement)	10/1/2012
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1 liter per cycle for metering faucets													
Flow rate ≤ 6 lpm (no pressure specified; no performance requirement)													
111*	Residential Water Baseline Table	WEc1	Water Use Reduction	Add “Imperial Units” after “Current Baseline” in the second column	10/1/2012								
111*	Residential Water Baseline Table	WEc1	Water Use Reduction	<p>Add a third column to the table, reading as follows:</p> <table><tr><td>Current Baseline (Metric Units)</td></tr><tr><td>6 liters per flush (lpf)</td></tr><tr><td>8.5 lpm at 4 bar (58 psi)</td></tr><tr><td>9.5 lpm at 5.5 bar (80 psi) per shower stall</td></tr></table>	Current Baseline (Metric Units)	6 liters per flush (lpf)	8.5 lpm at 4 bar (58 psi)	9.5 lpm at 5.5 bar (80 psi) per shower stall	10/1/2012				
Current Baseline (Metric Units)													
6 liters per flush (lpf)													
8.5 lpm at 4 bar (58 psi)													
9.5 lpm at 5.5 bar (80 psi) per shower stall													
136	Fourth definition	EAp1	Fundamental Commissioning of Building Energy Systems	Below the term “Systems performance testing,” insert the text “ Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space.”	1/8/2010								
137*	Requirements	EAp2	Minimum Energy Performance	In the first line of the second bulleted item, insert “or 5.6” after “5.5” so the text becomes “...(Sections 5.5 or 5.6, 6.5, 7.5 and 9.5)...”	4/14/2010								

Page	Location	Credit	Credit Title	Issue	Post Date
137*	Requirements	EAp2	Minimum Energy Performance	In the first line in the parenthesis, insert "or 9.6" after "9.5"	2/2/2011
137*	Requirements	EAp2	Minimum Energy Performance	In the second line of the fourth bulleted item, remove the superscript "2" after "equipment"	8/1/2011
137*	Requirements	EAp2	Minimum Energy Performance	Add the following sentence to the end of the first bullet: "Projects outside the U.S. may use a USGBC approved equivalent standard ⁵ ."	10/1/2012
137*	Requirements	EAp2	Minimum Energy Performance	Add "or USGBC approved equivalent." to the end of the second bullet.	10/1/2012
137*	Requirements	EAp2	Minimum Energy Performance	Add "or USGBC approved equivalent." after the parentheses in the third bullet.	10/1/2012
137*	Requirements	EAp2	Minimum Energy Performance	Add the following sentence after the second sentence in the fourth bullet: "Equipment that meets the same requirements as ENERGY STAR qualified products but does not bear the ENERGY STAR label is acceptable. Projects outside the U.S. may use a local equivalent to ENERGY STAR."	10/1/2012
137*	Requirements	EAp2	Minimum Energy Performance	Add the following last paragraph: For projects that registered after April 7, 2016 and are subject to the four point mandatory minimum, four points must also be earned in any of the four sub-sections of EA credit 1, Optimize Energy Performance.	7/1/2016
137*	Footnotes	EAp2	Minimum Energy Performance	Add the following footnote to the bottom of the page: "Projects outside the U.S. may use an alternative standard to ANSI/ASHRAE/IESNA Standard 90.1-2007 if it is approved by USGBC as an equivalent standard using the process located at www.usgbc.org/leedisglobal "	10/1/2012
141	Section 9. Lighting Requirements (ASHRAE 90.1-2007)	EAp2	Minimum Energy Performance	Update second sentence to say "If the scope of the lighting work will replace less than half of the existing fixtures with new ones and will use no additional power, no other alterations are necessary"	11/1/2011
145	13. Definitions	EAp2	Minimum Energy Performance	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010

Page	Location	Credit	Credit Title	Issue	Post Date
145	13. Definitions, baseline building performance	EAp2	Minimum Energy Performance	Replace the definition of "baseline building performance" with " Baseline building performance is the annual energy cost for a building design, used as a baseline for comparison with above-standard design."	10/1/2012
148	Economic Issues	EAp3	Fundamental Refrigerant Management	Remove the last two sentences of the section, beginning with, "If savings offset costs..." to, "economically infeasible"	5/9/2011
148	4. Implementation	EAp3	Fundamental Refrigerant Management	After the first sentence, add, "HCFCs are not part of this prerequisite."	5/9/2011
149	5. Timeline and Team	EAp3	Fundamental Refrigerant Management	Remove the second sentence, "If CFC-based refrigerants are located, the building owner should develop a phase-out plan and convert to less environmentally harmful refrigerants."	5/9/2011
150	11. Operations and Maintenance Considerations	EAp3	Fundamental Refrigerant Management	In the third line, remove the clause, "and provide them with a copy of any CFC phase-out plan"	5/9/2011
151	13. Definitions, chlorofluorocarbons (CFCs)	EAp3	Fundamental Refrigerant Management/CFC Reduction/Ozone Protection	Replace the definition of " chlorofluorocarbons (CFCs) " with "a compound of carbon, hydrogen, chlorine and fluorine, once commonly used in refrigeration, that depletes the stratospheric ozone layer."	10/1/2012
153*	Requirements	EAc1	Optimize Energy Performance	Add the following note: MANDATORY POINT MINIMUM: Four points must be earned in this credit, but can come from any of the four sub-sections.	7/1/2016
159	13. Definitions	EAc1.1	Optimize Energy Performance – Lighting Power	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
162	6. Calculations	EAc1.2	Optimize Energy Performance, Lighting Controls	At the end of the section's text, add the following as a new paragraph: "To calculate the percentage of daylight responsive controls as compared to the connected lighting load, supplemental task lighting may be excluded from the total connected lighting power (though if supplemental task lighting is controlled by daylight responsive controls, it must be included). However, to calculate the percentage of occupancy sensor controls as compared to the connected lighting load, task lighting that is required to be accounted for in the ASHRAE 90.1-2007 lighting power density calculations (that is, lighting that is not exempt per Section 9.2.2.3) must be included in the connected lighting load."	11/1/2011
165*	Option 2	EAc1.3	Optimize Energy Performance – HVAC	Add "Projects outside the U.S. may use a USGBC approved equivalent standard." to the end of the option.	10/1/2012

Page	Location	Credit	Credit Title	Issue	Post Date
165*	Option 2, Path 1	EAc1.3	Optimize Energy Performance – HVAC	Add “or USGBC approved equivalent” to the end of the sentence.	10/1/2012
165*	Option 2, Path 2	EAc1.3	Optimize Energy Performance – HVAC	Add “or USGBC approved equivalent” to the end of the sentence.	10/1/2012
165*	Footnotes	EAc1.3	Optimize Energy Performance – HVAC	Add the following footnote to the bottom of the page: “Projects outside the U.S. may use an alternative standard to ANSI/ASHRAE/IESNA Standard 90.1-2007 if it is approved by USGBC as an equivalent standard using the process located at www.usgbc.org/leedisglobal ”	10/1/2012
167	OPTION 1	EAc1.3	Optimize Energy Performance – HVAC	Replace the second sentence in the first paragraph with the following text: Section 1.4 covers mechanical system design intended to closely match actual building loads and to meet ASHRAE 55; Section 2.9 covers Mechanical Equipment Efficiency Requirements; Section 3.10 covers Variable Frequency Drives.	11/3/2010
172	STEP 7. Calculate the Energy Reduction	EAc1.3	Optimize Energy Performance – HVAC	Under "STEP 7", in the first sentence, changes the first "2" to "multiple" and the second "2" to "3". Replace the period with a comma at the end of last sentence in the first paragraph, and add "but should only be used if the central plants in the baseline and the design cases are modeled identically."	4/1/2012
172	STEP 7. Calculate the Energy Reduction	EAc1.3	Optimize Energy Performance – HVAC	Above "7. Documentation Guidance", add the following: Equation 3. Percent Annual HVAC Energy Cost Reduction For use when Central Plant improvements are included in the project scope. (See supplement document for equation: https://www.usgbc.org/ShowFile.aspx?DocumentID=18703)	4/1/2012
173	8. Examples	EAc1.3	Optimize Energy Performance, HVAC	In the example listed in Table 3, the points earned for a 36.3% and a 15.8% reduction should be 10 and 5, respectively.	10/1/2013
175	13. Definitions	EAc1.3	Optimize Energy Performance – HVAC	Insert the term “Tenant space” in alphabetical order with the accompanying text “ Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space.”	1/8/2010

Page	Location	Credit	Credit Title	Issue	Post Date
177*	Requirements	EAc1.4	Optimize Energy Performance – Equipment and Appliances	In the first line of the first paragraph, replace “qualified” with “eligible” so the text becomes “...ENERGY STAR® eligible equipment...”	4/14/2010
177*	Requirements	EAc1.4	Optimize Energy Performance – Equipment and Appliances	Add the following sentence after the first sentence: “. Equipment that meets the same requirements as ENERGY STAR® qualified products but does not bear the ENERGY STAR® label is acceptable. Projects outside the U.S. may use a local equivalent to ENERGY STAR®.”	10/1/2012
179	Text on top of page (begins with “the regulated”)	EAc1.4	Optimize Energy Performance – Equipment and Appliances	In the first line, replace “Table 2” with “Table 3” and before the sentence insert “Table 2 lists values that represent average rated power figures for different office equipment types.”	11/3/2010
180	Fourth paragraph	EAc1.4	Optimize Energy Performance – Equipment and Appliances	<p>Replace the paragraph (which begins with “All appliances and equipment...”) with the following text:</p> <p>Only new appliances and equipment purchased as part of the scope of work for the project need to be included in the credit for EA Prerequisite 2 and EA Credit 1.4. Equipment and appliances must meet the ENERGY STAR criteria current at the time of purchase:</p> <ul style="list-style-type: none"> • Any items that are purchased after the item’s category has become ENERGY STAR eligible must meet the ENERGY STAR rating. • Any items already covered by the ENERGY STAR program that are purchased after new criteria have been issued must meet the new criteria. • Items purchased before the category is ENERGY STAR eligible do not need to meet the ENERGY STAR rating; similarly, items purchased before new criteria are issued do not need to meet the new criteria. 	4/16/2010
181	6. Calculations, Step 2	EAc1.4	Optimize Energy Performance, Equipment and Appliances	Add the following sentence to the end of Step 2: For gas equipment, convert BTU/h to watts to compare power usage.	10/1/2012
186	Sixth definition	EAc2	Enhanced Commissioning	Insert the term “Tenant space” in alphabetical order with the accompanying text “ Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space.”	1/8/2010

Page	Location	Credit	Credit Title	Issue	Post Date
187*	CASE 1	EAc3	Measurement and Verification	<p>Below the bulleted items, remove the following text:</p> <p>Develop and implement a measurement and verification (M&V) plan that incorporates the monitoring information from the above end uses and is consistent with Option B, C or D of the 2001 International Performance Measurement & Verification Protocol (IPMVP) Volume I: Concepts and Options for Determining Energy and Water Savings.</p> <p>Provide a process for corrective action if the results of the M&V plan indicate that energy savings are not being achieved.</p>	1/8/2010
187*	Requirements	EAc3	Measurement and Verification	<p>Under CASE 2, replace language in its entirety with Options 1 and 2 from BD+C EA Credit 5: Measurement and Verification:</p> <p>Option 1 Develop and implement a measurement and verification (M&V) plan consistent with Option D: Calibrated Simulation (Savings Estimation Method 2) as specified in the International Performance Measurement & Verification Protocol (IPMVP) Volume III: Concepts and Options for Determining Energy Savings in New Construction, April 2003.</p> <p>The M&V period must cover at least 1 year of post-construction occupancy.</p> <p>Provide a process for corrective action if the results of the M&V plan indicate that energy savings are not being achieved.</p> <p>OR</p> <p>Option 2 Develop and implement a measurement and verification (M&V) plan consistent with Option B: Energy Conservation Measure Isolation, as specified in the International Performance Measurement & Verification Protocol (IPMVP) Volume III: Concepts and Options for Determining Energy Savings in New Construction, April 2003.</p> <p>The M&V period must cover at least 1 year of post-construction occupancy.</p> <p>Provide a process for corrective action if the results of the M&V plan indicate that energy savings are not being achieved."</p>	4/1/2012

Page	Location	Credit	Credit Title	Issue	Post Date
195	13. Definitions	EAc3	Measurement and Verification	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
197*	OPTION 1	EAc4	Green Power	In the first line of the first paragraph, replace "building's" with "tenant's" so the text becomes "at least 50% of the tenant's electricity"	11/3/2010
197*	Option 1	EAc4	Green Power	Add "or an equivalent" to the end of the first sentence.	10/1/2012
197*	Option 1	EAc4	Green Power	Add the following after the second paragraph: "If the green power is not Green-e Energy certified, equivalence must exist for both major Green-e Energy program criteria: 1) current green power performance standards, and 2) independent, third-party verification that those standards are being met by the green power supplier over time."	10/1/2012
197*	Option 2	EAc4	Green Power	Add "or an equivalent" to the end of the first sentence.	10/1/2012
197*	Option 2	EAc4	Green Power	Add the following after the second paragraph: "If the green power is not Green-e Energy certified, equivalence must exist for both major Green-e Energy program criteria: 1) current green power performance standards, and 2) independent, third-party verification that those standards are being met by the green power supplier over time."	10/1/2012
197*	Requirements- Option 2	EAc4	Green Power	Revise the metric conversion in the first paragraph to: "8 kilowatt hours per square foot per year (86.1 kilowatt hours per square meter per year)"	10/1/2013
199	4. Implementation	EAc4	Green Power	In item 3, remove the text "If Green-e-certified power cannot be purchased through a local utility"	5/9/2011
200	6. Calculations	EAc4	Green Power	After the first sentence, add the following: "If an energy model was used to document compliance with EAc1.3: Optimize Energy Performance, HVAC, the data from the energy model must be used as the basis for determining the electricity consumption for this credit."	4/1/2012

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204	Third definition	EAc4	Green Power	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
209	Credit Timing	MR Overview	n/a	In the third line of the second paragraph, insert spaces between words so text becomes "...influence on earning MR Credits 1.2: Building Reuse-Maintain 40% or 60% of Interior Nonstructural..."	11/2/2009
209	Table 1	MR Overview	n/a	Throughout the table, replace all instances of "X" with "N/A"	12/2/2009
209	Overview, Table 1	MR	n/a	In the second row titled "Mechanical," replace all instances of "X□" with "X" (revised 2/1/2010, see below)	11/2/2009
209	Table 1	MR Overview	n/a	(this is a correction to the above addenda issue) In the second row titled "Mechanical," replace all instances of "X□" with "X"	2/1/2010
209	Table 1	MR Overview	n/a	Below the "Electrical" row, insert a new row titled "Plumbing" with an "X" in the following columns: MRc1.2: Building Reuse MRc3.1: Materials Reuse MRc3.2: Materials Reuse – Furniture MRc4: Recycled Content MRc5: Regional materials MRc6: Rapidly Renewable Materials "MRc2: Construction Waste Management" and "MRc7: Certified Wood" column notes apply to the "Plumbing" row	2/1/2010
210	Calculating Materials Costs to Achieve MR Credits	MR Overview	n/a	At the end of paragraph, add the text "In Table 1, an X signifies "Not Applicable.""	12/2/2009

Page	Location	Credit	Credit Title	Issue	Post Date
216	13. Definitions	MRp1	Storage and Collection of Recyclables	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
220	13. Definitions	MRC1.1	Tenant Space – Long-Term Commitment	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
224	Table 1	MRC1.2	Building Reuse – Maintain Interior Nonstructural Components	In the last row of the table, replace "MR 1.2 but not MR 1.3" with "1 point but not 2" so the text becomes "40% < 53% < 60% earns 1 point but not 2"	2/1/2010
235	Reused Materials Found Off-Site	MRC3.1	Materials Reuse	In the fourth line of the second paragraph, replace "5" with "6" so the text becomes "...consistent with MR Credits 4 and 6..."	4/14/2010
241	6. Calculations	MRC3.2	Materials Reuse – Furniture and Furnishings	In the third line of the paragraph, remove "furniture, furnishings components" so the text becomes "Exclude artwork, interior plants, and musical instruments."	11/2/2009
241	6. Calculations	MRC3.2	Materials Reuse – Furniture and Furnishings	Replace the last paragraph (beginning with "The replacement values...") with the text "The replacement values used in MR Credit 3.2 are part of the total Division 12 material value, which is also used in the calculations for MR Credit 5. Materials qualifying as reused for MR Credit 3 cannot be applied to MR Credits 1,2,4,6, or 7."	4/14/2010
241	Equation 1	MRC3.2	Materials Reuse – Furniture and Furnishings	In the box, replace all instances of "(sf)" with "(\$)" so the text becomes "Replacement Value of Reused Furniture and Furnishings (\$) / Total Value of New and Reused Furniture and Furnishings (\$)"	11/2/2009
249	Exclusions	MRC4	Recycled Content	Replace the paragraph with the text "Excluded from the credit calculation is the salvaged and refurbished material value of reused materials as defined in MR Credit 3.1, Materials Reuse and MRC3.2, Materials reuse - Furniture and Furnishings."	4/14/2010
250	8. Examples	MRC4	Recycled Content	In Table 4, delete the first row entirely reading "Total Construction Cost" and in the second row change "Default Total Materials Cost (45% of total Construction Cost)" to "Total Materials Cost".	10/1/2013

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253*	Option 1	MRc5	Regional Materials	<p>Add the following after the first sentence: “OR</p> <p>Use a minimum of 20% of the combined value of construction and Division 12 (Furniture) materials and products that are manufactured regionally within a 500 mile (800 kilometer) total travel distance of the project site using a weighted average determined through the following formula:</p> <p>(Distance by rail/3) + (Distance by inland waterway/2) + (Distance by sea/15) + (Distance by all other means) ≤ 500 miles [800 kilometers]”</p>	10/1/2012
253*	Option 2	MRc5	Regional Materials	Add “AND” after “Meet the requirements for Option 1.”	10/1/2012
253*	Option 2	MRc5	Regional Materials	<p>Add the following to the end of the option: “ OR</p> <p>Use a minimum of 10% of the combined value of construction and Division 12 (Furniture) materials and products extracted, harvested or recovered, as well as manufactured regionally within a 500 mile (800 kilometer) total travel distance of the project site using a weighted average determined through the following formula:</p> <p>(Distance by rail/3) + (Distance by inland waterway/2) + (Distance by sea/15) + (Distance by all other means) ≤ 500 miles [800 kilometers]”</p>	10/1/2012
254	4. Implementation	MRc5	Regional Materials	<p>Remove the first paragraph:</p> <p>The point of manufacture is considered the place if final assembly of components into the building product that is furnished and installed by tradesworkers. For example, if the hardware comes from Dallas, and lumber comes from Vancouver, and the joist is assembled in Kent, Washington, then the location of the final assembly is Kent, Washington.</p>	7/19/2010
256	Table 2	MRc5	Regional Materials	Remove the eighth row of the table (begins with “Ceiling light fixtures”)	11/3/2010

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258	13. Definitions	MRc5	Regional Materials	Insert the term “extraction, harvest or recovery point” in alphabetical order with the accompanying text “ Extraction, harvest or recovery point refers to the location of raw materials prior to manufacturing of the building material or product that is furnished and installed in the project building.”	7/19/2010
259*	Requirements	MRc6	Rapidly Renewable Materials	In the third line of the paragraph, replace "plants" with "agricultural products"	8/1/2011
261	First paragraph	MRc6	Rapidly Renewable Materials	In the first line of the paragraph following “and Furnishings,” insert the text "and building materials qualifying for MR Credit 3.1 - Materials Reuse" so that the paragraph reads " Reused furniture that qualifies for MR Credit 3.2, Materials Reuse - Furniture and Furnishings, and building materials qualifying for MR Credit 3.1 - Materials Reuse should be excluded from the credit calculations (numerator and denominator) for this credit."	4/14/2010
262	6. Calculations	MRc6	Rapidly Renewable Materials	In the fifth line of the first paragraph, remove the text “... .2, Materials Reuse – Furniture and Furnishings.” so the text becomes “...that qualifies for MR Credit 3.”	4/14/2010
263	Exclusions	MRc6	Rapidly Renewable Materials	In the second line of the paragraph following “qualifies for,” insert the text “MRc3.1, Materials Reuse and” so the text becomes “Also exclude reused furniture that qualifies for MRc3.1, Materials Reuse and MR Credit 3.2...”	4/14/2010
268	Environmental Issues	MRc7	Certified wood	In fifth line of the paragraph, insert spaces between the words of the text so it becomes “...perspective, the elements of responsible FSC-certified forestry include sustainable timber harvesting...”	11/2/2009
270	Chain-of-Custody Requirements	MRc7	Certified wood	At the end of the first paragraph insert the following text: Entities that install an FSC-certified product on the project building/site (typically project contractors or subcontractors, but also furniture installers and the like), do not require CoC certification as long as they do not modify the product’s packaging or form except as is required for installation. Contractors and sub-contractors that temporarily possess FSC-certified material prior to installation should be careful not mix or contaminate the FSC-certified material with non-FSC-certified material.	7/19/2010

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271	6. Calculations	MRc7	Certified wood	<p>Replace the first paragraph with the following text:</p> <p>List all new wood products (not reclaimed, salvaged, or recycled) on the project and identify which components are FSC certified. The cost of all new wood products, both FSC certified and not, must be tallied. Develop a spreadsheet to calculate the amount of new wood and the amount of FSC certified wood permanently installed on the project. Wood products that are not FSC certified and those that are identified on invoices as FSC Pure and FSC Mixed Credit should be valued at 100% of the product cost unless the product is an assembly in which case only the new wood portion of the product counts for credit, see the guidance for assemblies in this credit. Wood products identified as FSC Mixed (NN)% should be valued at the indicated percentage of their cost. For example, a product identified as FSC Mixed 75% should be valued at 75% of the cost. Entities that install an FSC-certified product on the project building/site (typically project contractors or subcontractors, but also furniture installers and the like), do not require CoC certification as long as they do not modify the product's packaging or form except as is required for installation. Contractors and sub-contractors that temporarily possess FSC-certified material prior to installation should be careful not mix or contaminate the FSC-certified material with non-FSC-certified material.</p>	7/19/2010
272	Assemblies	MRc7	Certified wood	<p>*This is an update to addenda ID # 100000099 originally posted July 19, 2010* In the first sentence of the first paragraph replace, "such as windows and furniture systems that combine wood and nonwood materials" with "such as windows, doors, and some furniture that combine multiple material types, only the new wood portion can be applied toward the credit."</p>	7/19/2010 (Updated 8/1/2011)
275	13. Definitions, chain of custody	MRc7	Certified Wood	<p>Replace the definition of "chain-of-custody (COC)" with "the path taken by raw materials, processed materials, and products from the forest to the consumer, including all successive stages of processing, transformation, manufacturing and distribution. A chain-of-custody certificate number on invoices for nonlabeled products indicates that the certifier's guidelines for product accounting have been followed. A chain-of-custody certification is not required by distributors of a product that is individually labeled with the Forest Stewardship Council logo and manufacturer's chain-of-custody number. Chain of Custody (CoC) certification requirements are determined by Forest Stewardship Council Chain of Custody Standard 40-004 v2-1."</p>	10/1/2012

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281*	Case 1	IEQp1	Minimum Indoor Air Quality Performance	Add " OPTION 1. ASHRAE Standard 62.1-2007 or Non-U.S. Equivalent " directly under "CASE 1. Mechanically Ventilated Spaces"	10/1/2012
281*	Case 1	IEQp1	Minimum Indoor Air Quality Performance	Add "Projects outside the U.S. may use a local equivalent to ASHRAE Standard 62.1-2007 for breathing zone minimum ventilation rates." to the end of the first paragraph.	10/1/2012
281*	Case 1	IEQp1	Minimum Indoor Air Quality Performance	<p>Add the following after the first paragraph:</p> <p>"OR</p> <p>OPTION 2. CEN Standard EN 15251: 2007</p> <p>Projects outside the U.S. may modify or maintain each outside air intake, supply air fan and/or ventilation distribution system to supply at least the outdoor air ventilation rate required by Annex B of Comité Européen de Normalisation (CEN) Standard EN 15251: 2007, Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics."</p>	10/1/2012
281*	Case 1	IEQp1	Minimum Indoor Air Quality Performance	Replace "ASHRAE Standard 62.1-2007 (with errata but without addenda)" with "the above standards" in the last paragraph of the case.	10/1/2012
281*	Requirements	IEQp1	Minimum Air Quality Performance	<p>Remove all section text and replace with:</p> <p>(see below text)</p>	4/14/2010

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	<p>(text relating to above issue)</p> <p>Meet the minimum requirements of Section 4 through 7 of ASHRAE Standard 62.1-2007, Ventilation for Acceptable Indoor Air Quality (with errata but without addenda□).</p> <p>AND</p> <p>CASE 1. Mechanically Ventilated Spaces Mechanical ventilation systems must perform according to the ventilation rate procedure.</p> <p>Modify or maintain existing building outside-air ventilation distribution system to supply at least the outdoor air ventilation rate required by ASHRAE Standard 62.1-2007 (with errata but without addenda□).</p> <p>If the project team cannot meet the outside air requirements of ASHRAE Standard 62.1-2007 (with errata but without addenda□) document the space and system constraints that make it not possible, complete an engineering assessment of the system's maximum cubic feet per minute (cfm) capability toward meeting the requirements of ASHRAE Standard 62.1-2007 (with errata but without addenda□), and achieve those levels, with a minimum of 10 cfm per person. All other requirements must be met.</p> <p>CASE 2. Naturally Ventilated Projects Naturally ventilated buildings must comply with ASHRAE Standard 62.1-2007 Section 5.1 (with errata but without addenda□).</p>				
283	4. Implementation	IEQp1	Minimum Air Quality Performance	In the second line of the third paragraph, replace "EA" with "IEQ" so the text becomes "...compliance with IEQ Prerequisite 2..."	11/2/2009
284	Mechanically Ventilated Spaces	IEQp1	Minimum Indoor Air Quality Performance	In the third line of the first paragraph, replace the word "rocedure" with "procedure" so the text becomes "...ventilation rate procedure is..."	11/2/2009
288	13. Definitions, Breathing zone	IEQp1	Minimum Indoor Air Quality Performance	Replace the text with " Breathing zone is the region within an occupied space between 3 and 6 feet above the floor. Note that this definition varies from that of ASHRAE 62.1-2007, which states that the breathing zone is between 3 inches and 6 feet from the floor, and 2 feet from the walls as well as fixed air conditioning equipment."	4/14/2010
291*	Requirements	IEQp2	Environmental Tobacco Smoke (ETS) Control	Remove the heading "CASE 1. Non-Residential Projects"	4/14/2010
291*	Requirements	IEQp2	Environmental Tobacco Smoke (ETS) Control	Below the "OPTION 2" heading, insert the heading "CASE 1. Non-Residential Projects"	4/14/2010
291*	CASE 2	IEQp2	Environmental Tobacco Smoke (ETS) Control	At the end of the second line in the second paragraph, insert the footnote symbol "□" so the text becomes "... hallway.□"	4/14/2010

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291*	Option 2 Case 2	IEQp2	Environmental Tobacco Smoke (ETS) Control	Add the following to the end of the third paragraph: "Projects outside the U.S. may use a local equivalent to ANSI/ASTM-E779-03, Standard Test Method for Determining Air Leakage Rate By Fan Pressurization."	10/1/2012
291*	Option 2 Case 2	IEQp2	Environmental Tobacco Smoke (ETS) Control	Add the following after the first sentence of the fourth paragraph: "Projects outside the U.S. may use a local sampling methodology, whichever is more stringent."	10/1/2012
292*	First paragraph	IEQp2	Environmental Tobacco Smoke (ETS) Control	In the third line of the paragraph, remove the text ", found at (http://www.energy.ca.gov/title24_1998_standards/residential_acm/CHAPTER07.pdf)."	4/14/2010
292*	Bottom of page	IEQp2	Environmental Tobacco Smoke (ETS) Control	At the bottom of the page, insert the footnote text "□ If the common hallways are pressurized with respect to the residential units then doors in the residential units leading to the common hallways need not be weather-stripped provided that the positive differential pressure is demonstrated as in Option 2, Case 1 above, considering the residential unit as the smoking room."	4/14/2010
294	3. Summary of Referenced Standards	IEQp2	Environmental Tobacco Smoke (ETS) Control	Below the hyperlink of the second standard provided, insert the hyperlink http://www.energy.ca.gov/title24/2005standards/residential_acm/index.html	4/14/2010
296	13. Definitions	IEQp2	Environmental Tobacco Smoke (ETS) Control	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010

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297*	CASE 1	IEQc1	Outdoor Air Delivery Monitoring	<p>Update the footnote references in the section so the text becomes the following:</p> <p>Monitor CO2 concentrations within all densely occupied spaces (those with a design occupant density of 25 people or more per 1,000 square feet). CO2 monitors must be between 3 and 6 feet above the floor.□</p> <p>Provide a direct outdoor airflow measurement device capable of measuring the minimum outdoor air intake flow with an accuracy of plus or minus 15% of the design minimum outdoor air rate, as defined by ASHRAE 62.1-2007 (with errata but without addenda□) for mechanical ventilation systems where 20% or more of the design supply airflow serves nondensely occupied spaces.</p>	7/19/2010
297*	Case 1	IEQc1	Outdoor Air Delivery Monitoring	Replace “as defined by ASHRAE Standard 62.1-2007 (with errata but without addenda)” with “based on the value determined in IEQ Prerequisite 1: Minimum Indoor Air Quality Performance” in the second paragraph.	10/1/2012
297*	CASE 2	IEQc1	Outdoor Air Delivery Monitoring	At the end of the paragraph, remove the footnote “□”	7/19/2010
297*	Footnotes	IEQc1	Outdoor Air Delivery Monitoring	<p>Re-number the footnotes so they become the following:</p> <p>□ CO2 monitoring is required in densely occupied spaces, in addition to outdoor air intake flow measurement.</p> <p>□ Project teams wishing to use ASHRAE approved addenda for the purposes of this credit may do so at their discretion. Addenda must be applied consistently across all LEED credits.</p>	7/19/2010
297*	Footnote	IEQc1	Outdoor Air Delivery Monitoring	Remove Footnote, "CO2 monitoring is required in densely occupied spaces, in addition to outdoor air intake flow measurement."	5/9/2011
299	Outdoor Air Flow Monitoring	IEQc1	Outdoor Air Delivery Monitoring	<p>Replace the last two sentences of the first paragraph with the following:</p> <p>To satisfy the requirements of this credit, the measurement device must be capable of measuring the minimum outdoor air intake flow with an accuracy of plus or minus 15% when the system is providing the design minimum outdoor air rate. When the measurement device generates a measurement of outdoor air intake flow that is more than 10% below the design outdoor air minimum values, the monitoring system should be configured to deliver a visible or audible alert to the system operator to indicate that operational adjustments may be necessary.</p>	11/3/2010

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300	CO2 Monitoring	IEQc1	Outdoor Air Delivery Monitoring	In first sentence of the first paragraph, remove extra period at end of sentence	11/2/2009
302	13. Definitions, Breathing zone	IEQc1	Outdoor Air Delivery Monitoring	Replace the text with " Breathing zone is the region within an occupied space between 3 and 6 feet above the floor. Note that this definition varies from that of ASHRAE 62.1-2007, which states that the breathing zone is between 3 inches and 6 feet from the floor, and 2 feet from the walls as well as fixed air conditioning equipment."	4/14/2010
303	Definitions	IEQc1	Outdoor Air Delivery Monitoring	Revise the definition for densely occupied spaces to be, "Densely occupied spaces are areas with a design occupant density of 25 people or more per 1,000 square feet (40 square feet or less per person)."	11/1/2011
303	Definitions	IEQc1	Outdoor Air Delivery Monitoring	In alphabetical order, add the following definition for non-densely occupied space , "Non-densely occupied spaces are areas with a design occupant density of less than 25 people per 1,000 square feet (40 square feet or more per person)."	11/1/2011
303	Definitions	IEQc1	Outdoor Air Delivery Monitoring	In alphabetical order, add the following definition for nonoccupied spaces , "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011
303	Definitions	IEQc1	Outdoor Air Delivery Monitoring	In alphabetical order, add the following definition for occupied spaces , "Occupied Spaces are defined as enclosed spaces that can accommodate human activities. Occupied spaces are further classified as regularly occupied or non-regularly occupied spaces based on the duration of the occupancy, individual or multi-occupant based on the quantity of occupants, and densely or non-densely occupied spaces based upon the concentration of occupants in the space."	11/1/2011
303	Fifth definition	IEQc1	Outdoor Air Delivery Monitoring	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
305*	CASE 2	IEQc2	Increased Ventilation	In the first paragraph, remove the text "Design natural ventilation systems for occupied spaces to meet the recommendations set forth in the Carbon Trust "Good Practice Guide 237" (1998)."	12/2/2009
305*	CASE 2	IEQc2	Increased Ventilation	In the fourth line of the paragraph, replace the text "1.18" with "2.8."	1/28/2010

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305*	OPTION 1	IEQc2	Increased Ventilation	Remove the text in the paragraph and insert: Show that the natural ventilation systems design meets the recommendations set forth in the CIBSE manuals appropriate to the project space. PATH 1. CIBSE Applications Manual 10: 2005, Natural Ventilation in Non-domestic Buildings. PATH 2. CIBSE AM 13:2000, Mixed Mode Ventilation	12/2/2009
305*	Case 1	IEQc2	Increased Ventilation	Add “ OPTION 1. ASHRAE Standard 62.1-2007 or Non-U.S. Equivalent ” directly under “CASE 1. Mechanically Ventilated Spaces”	10/1/2012
305*	Case 1	IEQc2	Increased Ventilation	Add “Projects outside the U.S. may use a local equivalent to ASHRAE Standard 62.1-2007, if the same is used for IEQ Prerequisite 1: Minimum Indoor Air Quality Performance.” to the end of the first paragraph.	10/1/2012
305*	Case 1	IEQc2	Increased Ventilation	Add the following after the first paragraph: “ OR OPTION 2. CEN Standard EN 15251: 2007 Projects outside the U.S. may earn this credit by increasing breathing zone outdoor air ventilation rates to all occupied spaces by at least 30% above the minimum rates required by Annex B of Comité Européen de Normalisation (CEN) Standard EN 15251: 2007, Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics, as determined by IEQ Prerequisite 1: Minimum Indoor Air Quality Performance.”	10/1/2012
305*	Case 2 Option 1	IEQc2	Increased Ventilation	Add “CIBSE or Non-U.S. Equivalent” to the “Option 1” heading.	10/1/2012
305*	Case 2 Option1	IEQc2	Increased Ventilation	Path 1 should read: “Use CIBSE Applications Manual 10: 2005, Natural Ventilation in Non-domestic Buildings. Projects outside the U.S. may use a local equivalent.”	10/1/2012
305*	Case 2 Option 1	IEQc2	Increased Ventilation	Path 2 should read: “Use CIBSE AM 13:2000, Mixed Mode Ventilation. Projects outside the U.S. may use a local equivalent.”	10/1/2012
305*	Case 2 Option 2	IEQc2	Increased Ventilation	Add “Airflow Model” to the “Option 2” heading.	10/1/2012

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305*	Case 2 Option 2	IEQc2	Increased Ventilation	In the first paragraph, replace “Chapter 6” with “section 6”	10/1/2012
305*	Case 2 Option 2	IEQc2	Increased Ventilation	Add the following to the end of the option: “Projects outside the U.S. may use Annex B of Comité Européen de Normalisation (CEN) Standard EN 15251: 2007, or a local equivalent to section 6 of ASHRAE Standard 62.1-2007 to define the minimum ventilation rates.”	10/1/2012
307	The Carbon Trust Good Practice Guide 237	IEQc2	Increased Ventilation	Remove the following text in the section: (see below text)	12/2/2009
<p>(text relating to above issue)</p> <p>The Carbon Trust Good Practice Guide 237: Natural Ventilation in Non-Domestic Buildings — A Guide for Designers; Developers and Owners (1998) http://www.carbontrust.co.uk According to the Carbon Trust, “Carefully designed, naturally ventilated buildings can be cheaper to construct, maintain and operate than more heavily serviced equivalents. Occupants generally prefer windows that can be opened, and natural light, both of which are features of well designed, naturally ventilated buildings. The Guide summarizes the benefits of natural ventilation and considers the commercial implications, illustrating the issues by means of case studies.”</p> <p>To obtain a copy, search for “GPG 237” on the Carbon Trust Energy website or go to www.carbontrust.co.uk/Publications/publicationdetail.htm?productid=GPG237&metaNoCache=1.</p> <p>(text relating to above issue)</p> <p>The Carbon Trust Good Practice Guide 237: Natural Ventilation in Non-Domestic Buildings — A Guide for Designers; Developers and Owners (1998) http://www.carbontrust.co.uk According to the Carbon Trust, “Carefully designed, naturally ventilated buildings can be cheaper to construct, maintain and operate than more heavily serviced equivalents. Occupants generally prefer windows that can be opened, and natural light, both of which are features of well designed, naturally ventilated buildings. The Guide summarizes the benefits of natural ventilation and considers the commercial implications, illustrating the issues by means of case studies.”</p> <p>To obtain a copy, search for “GPG 237” on the Carbon Trust Energy website or go to www.carbontrust.co.uk/Publications/publicationdetail.htm?productid=GPG237&metaNoCache=1.</p>					
308	Mechanically Ventilated Spaces	IEQc2	Increased Ventilation	In the third line of the first paragraph, remove the comma before the end of the period at the end of sentence	11/2/2009
308	Mechanically Ventilated Spaces	IEQc2	Increased Ventilation	In the third line of the first paragraph, insert the word “is” between “procedure” and “easier” so the text becomes “...rate procedure is easier to...”	11/2/2009

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309	Naturally Ventilated Spaces	IEQc2	Increased Ventilation	In the first line of the second paragraph, replace the word “hrough” with “through” so the text becomes “...flow rates through each...”	11/2/2009
312	13. Definitions, Breathing zone	IEQc2	Increased Ventilation	Replace the text with “ Breathing zone is the region within an occupied space between 3 and 6 feet above the floor. Note that this definition varies from that of ASHRAE 62.1-2007, which states that the breathing zone is between 3 inches and 6 feet from the floor, and 2 feet from the walls as well as fixed air conditioning equipment.”	4/14/2010
315*	Requirements	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	The third bullet should read as follows: “If permanently installed air handlers are used during construction, filtration media must be used at each return air grille that meets one of the following criteria below. Replace all filtration media immediately prior to occupancy.”	10/1/2012
315*	Requirements	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	Add three bullets, indented, below the third bullet.	10/1/2012
315*	Requirements	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	The first new bullet should read: “Filtration media with a minimum efficiency reporting value (MERV) of 8 as determined by ASHRAE Standard 52.2-1999 (with errata but without addenda)”	10/1/2012
315*	Requirements	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	The second new bullet should read: “Filtration media is Class F5 or higher, as defined by CEN Standard EN 779-2002, Particulate air filters for general ventilation, Determination of the filtration performance”	10/1/2012
315*	Requirements	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	The third new bullet should read: “Filtration media with a minimum dust spot efficiency of 30% or higher and greater than 90% arrestance on a particle size of 3–10 μg ”	10/1/2012
317	4. Implementation	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	In the third line of the paragraph, remove second period after “...(e.g., collection bins...” so the text becomes “...(e.g., collection bins...”	11/2/2009

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321	Second definition	IEQc3.1	Construction Indoor Air Quality Management Plan – During Construction	Insert the term “Tenant space” in alphabetical order with the accompanying text “ Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space.”	1/8/2010
323*	PATH 1	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In fourth line of the paragraph (third of the Rating System), change “600F” to “60°F” so the text becomes “...temperature of at least 60°F and...”	1/8/2010
323*	OPTION 2. Air Testing	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	<p>(1) In the first sentence of the paragraph, replace the text “and as additionally detailed in the LEED Reference Guide for Green Building Design and Construction, 2009 Edition” with “or the ISO method listed in the table below. Testing must be done in accordance with one standard; project teams may not mix requirements from the EPA Compendium of Methods with ISO”</p> <p>(2) In the table, insert two columns to the right (refer to supplementary guidance)</p> <p>(3) In the third bullet item, replace the second sentence (begins with “For each portion”) with “The number of sampling locations must include the entire building and all representative situations.”</p> <p>Supplementary Table: https://www.usgbc.org/ShowFile.aspx?DocumentID=9318</p>	5/9/2011
326	Figure 1	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	To the left side of graph, remove a zero from the number “60000” so it becomes “6000”	11/2/2009
326	4. Implementation	IEQc3.2	Construction IAQ Management Plan- Before Occupancy	In the first paragraph, replace the second sentence “Finalize all cleaning prior to the flush-out.” with “Have all movable furnishings in place and finalize all cleaning prior to the flush-out.”	10/1/2012
327	Third paragraph	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In the second line, replace the word “tooccupy” with “to occupy” so the text becomes “...preparing to occupy a space...”	11/2/2009
328	First paragraph	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In the fourth paragraph, add “and the ISO methods” after “The protocols described in the referenced publication, EPA’s Compendium of Methods for the Determination of Air Pollutants in Indoor Air,”	5/9/2011

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328	First paragraph	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In the fourth paragraph, add in after "...the greatest presumed contaminant source strength", "Determine the number of ventilation systems serving the building. Then, determine if the individual floor plates served by each single ventilation system are larger or smaller than 25,000 square feet. If they are smaller, take at least one sample for every 25,000 square feet, or fraction thereof, served by a single ventilation system. If they are larger, take one sample per floor plate. For example, a 110,000 square foot building with ten 11,000 square foot floors, served by a single ventilation system, needs only five samples – one per 25,000 square feet (or fraction thereof) because each 11,000 foot floor plate is smaller than 25,000 square feet. However, a building with ten 30,000 square foot floors, also served by a single ventilation system, needs ten samples for the building because each 30,000 floor plate is larger than the 25,000 sq ft criterion." Delete, "For example" in the following sentence.	5/9/2011
328	First paragraph	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In the fourth paragraph, add in after "...at normal daily start times and at the minimum outside airflow rate.", "For projects with standardized identical construction, such as classrooms in a school or multifamily residential units, identify which rooms are identical in construction, finishes, configuration, square footage, and HVAC systems. For these scenarios, project teams can sample the identical spaces by testing one in seven."	5/9/2011
330	13. Definitions	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In alphabetical order, add the following definition for nonoccupied spaces , "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011
330	13. Definitions	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	In alphabetical order, add the following definition for occupied spaces , "Occupied Spaces are defined as enclosed spaces that can accommodate human activities. Occupied spaces are further classified as regularly occupied or non-regularly occupied spaces based on the duration of the occupancy, individual or multi-occupant based on the quantity of occupants, and densely or non-densely occupied spaces based upon the concentration of occupants in the space."	11/1/2011
330	13. Definitions	IEQc3.2	Construction Indoor Air Quality Management Plan – Before Occupancy	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
331*	Requirements table	IEQc4.1	Low-Emitting Materials – Adhesives and Sealants	In the "Sealants" section, remove the items "Nonmembrane roof, 300" and "Single-ply roof membrane, 450"	11/3/2010

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333	Table 1	IEQc4.1	Low-Emitting Materials – Adhesives and Sealants	In the “Sealants” section, remove the items “Nonmembrane roof, 300” and “Single-ply roof membrane, 450”	11/3/2010
333	Table 1	IEQc4.1	Low-Emitting Materials – Adhesives and Sealants	Below the table, insert the note: This table excludes adhesives and sealants integral to the water-proofing system or that are not building related.	11/3/2010
336	Definitions, sealant	IEQc4.1	Low-Emitting Materials- Adhesives and Sealants	Add the following sentence to the end of “ sealant ” definition, “Sealants are used on wood, fabric, paper, corrugated paperboard, plastic foam and other materials with tiny openings, often microscopic, that may absorb or discharge gas or fluid.”	10/1/2012
336	13. Definitions, volatile organic compounds (VOCs)	IEQc4.1	Low-Emitting Materials- Adhesives and Sealants	Replace the definition of “ volatile organic compounds (VOC’s) ” with “a carbon compound that vaporizes (becomes a gas) at normal room temperatures. VOCs contribute to air pollution directly and through atmospheric photochemical reactions (excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonates, and ammonium carbonate) to produce secondary air pollutants, principally ozone and peroxyacetyl nitrate.”	10/1/2012
337*	Requirements	IEQc4.2	Low-Emitting Materials – Paints and Coatings	Replace the text of the third bullet with the following: Clear wood finishes, floor coatings, stains, primers, sealers, and shellacs applied to interior elements: must not exceed the VOC content limits established for those coating types in South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, effective January 1, 2004.	7/19/2010
338	3. Summary of Referenced Standards, Green Seal Standard GS-11	IEQc4.2	Low-Emitting Materials – Paints and Coatings	Replace the hyperlink http://www.greenseal.org/certification/standards/paints_and_coatings.pdf with http://www.greenseal.org/certification/standards/paints_GS_11.pdf	4/14/2010
338	3. Summary of Referenced Standards, Green Seal Standard GS-11	IEQc4.2	Low-Emitting Materials – Paints and Coatings	In the fourth line of the paragraph, remove the text “...Tables 1 and 2 summarize Green Seal Standard GS-11” (removed 4/14/2010)	11/2/2009
338	3. Summary of Referenced Standards, Green Seal Standard GS-03	IEQc4.2	Low-Emitting Materials – Paints and Coatings	Replace the paragraph and table with the text “The GC-03 VOC limits applicable for this credit are summarized in Table 1 . IEQc4.2 Applicable VOC Limits.”	4/14/2010
338	3. Summary of Referenced Standards, South Coast Air Quality...	IEQc4.2	Low-Emitting Materials – Paints and Coatings	At the end of the paragraph, insert the text “The SCAQMD Rule 1113 VOC limits applicable for this credit are summarized in Table 1 . IEQc4.2 Applicable VOC Limits. ”	4/14/2010

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339	Table 1	IEQc4.2	Low-Emitting Materials – Paints and Coatings	Replace table with the following table in the supplemental document: https://www.usgbc.org/ShowFile.aspx?DocumentID=8592	4/14/2010 (revised 11/3/2010)
339	3. Summary of Referenced Standards, Table 1.	IEQc4.2	Low-Emitting Materials- Paints and Coatings	Edit the “Primer” items in Table 1 with the ones in the supplementary document: http://www.usgbc.org/resources/ieqc42-table-1-applicable-voc-limits	10/1/2013
339	Table 1	IEQc4.2	Low-Emitting Materials- Paints and Coatings	For “Nonflat Coatings” in row nineteen, remove the value “150” from the “Current Limit” column and insert in the “1/1/03” column. (removed 4/14/2010, see above)	1/8/2010
340	Table 2	IEQc4.2	Low-Emitting Materials- Paints and Coatings	On the top row of the table in the second column, replace “Limit VOCs (g/L)” with “Limit VOCs (g/L) minus water.” (removed 11/3/2010, see below)	1/8/2010
340	Table 2	IEQc4.2	Low-Emitting Materials- Paints and Coatings	In the second column of the second row, replace the text “27 parts per billion” with “120” (removed 11/3/2010, see below)	1/8/2010
340	Table 2	IEQc4.2	Low-Emitting Materials – Paints and Coatings	Remove Table 2. Standard VOC Limits	11/3/2010
341	13. Definitions	IEQc4.2	Low-Emitting Materials - Paints and Coatings	Insert the term “Sealer” in alphabetical order with the accompanying text “ Sealers are coatings applied to either block materials from penetrating into or leaching out of a substrate, to prevent subsequent coatings from being absorbed by the substrate, or to prevent harm to subsequent coatings by materials in the substrate.”	1/8/2010
341	13. Definitions, volatile organic compounds (VOCs)	IEQc4.2	Low-Emitting Materials- Paints and Coatings	Replace the definition of “ volatile organic compounds (VOC’s) ” with “a carbon compound that vaporizes (becomes a gas) at normal room temperatures. VOCs contribute to air pollution directly and through atmospheric photochemical reactions (excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonates, and ammonium carbonate) to produce secondary air pollutants, principally ozone and peroxyacetyl nitrate.”	10/1/2012

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343*	OPTION 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>Replace the text of the fourth bulleted item with the following:</p> <p>All hard surface flooring must meet the requirements of the FloorScore□ standard (current as of the date of this rating system, or more stringent version) as shown with testing by an independent third-party. Mineral-based finish flooring products such as tile, masonry, terrazzo, and cut stone without integral organic-based coatings and sealants and unfinished/untreated solid wood flooring qualify for credit without any IAQ testing requirements. However, associated site-applied adhesives, grouts, finishes and sealers must be compliant for a mineral-based or unfinished/untreated solid wood flooring system to qualify for credit.</p>	4/14/2010
343*	OPTION 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	Remove the fifth bulleted item	4/14/2010
343*	OPTION 2	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>At the end of the paragraph, add the following text:</p> <p>Mineral-based finish flooring products such as tile, masonry, terrazzo, and cut stone without integral organic-based coatings and sealants and unfinished/untreated solid wood flooring qualify for credit without any IAQ testing requirements. However, associated site-applied adhesives, grouts, finishes and sealers must be compliant for a mineral-based or unfinished/untreated solid wood flooring system to qualify for credit.</p>	4/14/2010
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	The first bullet should read: “All carpet installed in the building interior must meet one of the following requirements:”	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	Add three bullets, indented, below the first bullet	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>The first new bullet should read:</p> <p>“Meets the testing and product requirements of the Carpet and Rug Institute Green Label Plus program.”</p>	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>The second new bullet should read:</p> <p>“Maximum VOC concentrations are less than or equal to those specified in the California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda, using the office scenario as defined in Table 7.5 within the practice. The additional VOC concentration limits listed in Section 9.1a must also be met.”</p>	10/1/2012

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343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>The third new bullet should read:</p> <p>“Maximum VOC concentrations meet the California requirements specified above based on the following:</p> <ul style="list-style-type: none"> ○ California Department of Public Health (CDPH) Standard Method V1.1-2010 using test results obtained at the 14 day time point ○ Projects outside the U.S. may use the German AgBB/DIBt testing method and all testing methods based on AgBB/DIBt method (GUT, EMICODE, Blue Angel) using test results obtained at the 3 day or 7 day or 14 day time point. For caprolactam, if test results obtained at the 3 day or 7 day time point is used, the emission concentration must be less than ½ of the concentration limit specified above because the emission may not have peaked at the measured time points.” 	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>Add a paragraph below the third new bullet that reads:</p> <p>“If a European testing method (AgBB/DIBt GUT, EMICODE, Blue Angel) had used parameters for calculating test results different from those specified in the referenced California method, then the European test results for carpets or floorings need to be converted into California air concentrations by multiplication with 0.7.”</p>	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>The fourth original bullet should read “All hard surface flooring installed in the building interior must meet one of the following requirements:”</p>	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>Add three new bullets below the fourth original bullet.</p>	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>The first new bullet should read:</p> <p>“Meet the requirements of the Floor Score standard (current as of the date of this rating system, or more stringent version) as shown with testing by an independent third-party.”</p>	10/1/2012

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343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	The second new bullet should read: “Demonstrate maximum VOC concentrations less than or equal to those specified in the California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda, using the office scenario as defined in Table 7.5 within the practice.”	10/1/2012
343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	The third new bullet should read: “Maximum VOC concentrations meet the California requirements specified above based on the following: <ul style="list-style-type: none"> ○ California Department of Public Health (CDPH) Standard Method V1.1-2010 using test results obtained at the 14 day time point ○ Projects outside the U.S. may use the German AgBB/DIBt testing method and all testing methods based on AgBB/DIBt method (GUT, EMICODE, Blue Angel) using test results obtained at the 3 day or 7 day or 14 day time point. For caprolactam, if test results obtained at the 3 day or 7 day time point is used, the emission concentration must be less than ½ of the concentration limit specified above because the emission may not have peaked at the measured time points.” 	10/1/2012
343	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	Add a new paragraph after the third new bullet that reads: “If a European testing method (AgBB/DIBt GUT, EMICODE, Blue Angel) had used parameters for calculating test results different from those specified in the referenced California method, then the European test results for carpets or floorings need to be converted into California air concentrations by multiplication with 0.7.”	10/1/2012

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343*	Option 1	IEQc4.3	Low-Emitting Materials – Flooring Systems	<p>Below the final bullet, add the following:</p> <p>■ For carpet adhesive, concrete, wood, bamboo and cork floor finishes, and tile setting adhesives, compliance can be demonstrated with test results of:</p> <ul style="list-style-type: none"> Total volatiles fraction, based on one of the following, provided that water and exempt compounds are subtracted from total volatiles test results and the mass VOC content is calculated consistent with SCAQMD Rule 1113 and Rule 1168: <ul style="list-style-type: none"> ASTM D2369 EPA method 24 ISO 11890 part 1 Total volatile organic compounds fraction, based on one of the following, provided that all VOCs with a boiling point up to 280°C (536°F) are included, and exempt compounds are subtracted from total volatiles test results and the mass VOC content is calculated consistent with SCAQMD Rule 1113 and Rule 1168. <ul style="list-style-type: none"> ASTM D6886 ISO 11890 part 2 	10/1/2012
344	3. Summary of Referenced Standards	IEQc4.3	Low-Emitting Materials- Flooring Systems	Under "Carpet and Rug Institute (RCI) Green Label Plus Testing Program, replace " http://www.carpet-rug.com " with " http://www.carpet-rug.org ."	10/1/2012
347	13. Definitions, volatile organic compounds (VOCs)	IEQc4.3	Low-Emitting Materials- Flooring Systems	Replace the definition of " volatile organic compounds (VOC's) " with "a carbon compound that vaporizes (becomes a gas) at normal room temperatures. VOCs contribute to air pollution directly and through atmospheric photochemical reactions (excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonates, and ammonium carbonate) to produce secondary air pollutants, principally ozone and peroxyacetyl nitrate."	10/1/2012
352	13. Definitions, urea-formaldehyde	IEQc4.4	Low-Emitting Materials- Composite Wood and Agrifiber Products/Laminate Adhesives	Replace the definition of " urea-formaldehyde " with "a combination of urea and formaldehyde used in some glues and adhesives, particularly in composite wood products. At room temperature, ureaformaldehyde emits formaldehyde, a toxic and possibly carcinogenic gas."	10/1/2012

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353*	OPTION 2	IEQc4.5	Low-Emitting Materials – Systems Furniture and Seating	<p>Remove the entire section:</p> <p>OPTION 2</p> <p>Calculated indoor air concentrations that are less than or equal to those listed in Table 1 for furniture systems and seating determined by a procedure based on the EPA Environmental Technology Verification (ETV) Large Chamber Test Protocol for Measuring Emissions of VOCs and Aldehydes (September 1999) testing protocol conducted in an independent air quality testing laboratory.</p> <p>OR</p>	7/19/2010
353*	OPTION 2	IEQc4.5	Low-Emitting Materials – Systems Furniture and Seating	Update “OPTION 3” to “OPTION 2”	7/19/2010
357	13. Definitions, volatile organic compounds (VOCs)	IEQc4.5	Low-Emitting Materials- Furniture and Furnishings/Seating	Replace the definition of " volatile organic compounds (VOC's) " with "a carbon compound that vaporizes (becomes a gas) at normal room temperatures. VOCs contribute to air pollution directly and through atmospheric photochemical reactions (excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonates, and ammonium carbonate) to produce secondary air pollutants, principally ozone and peroxyacetyl nitrate."	10/1/2012
359*	Intent	IEQc5	Indoor Chemical and Pollutant Source Control	In first line of the paragraph insert a comma after "particulates" and in the second line remove the period after "pollutants" so the text becomes "...hazardous particulates, biological contaminants and chemical pollutants that degrade..."	1/8/2010
359*	Requirements	IEQc5	Indoor Chemical and Pollutant Source Control	<p>Replace the text of the first bullet with the following:</p> <p>Employ permanent entryway systems at least 10 feet long in the primary direction of travel to capture dirt and particulates entering the building at regularly used exterior entryways. Acceptable entryway systems include permanently installed grates, grills and slotted systems that allow for cleaning underneath. Roll-out mats are acceptable only when maintained on a weekly basis by a contracted service organization.</p>	7/19/2010

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359*	Requirements	IEQc5	Indoor Chemical and Pollutant Source Control	<p>Replace the text of the third bullet with the following:</p> <p>In mechanically ventilated buildings, each ventilations system that supplies outdoor air shall comply with the following:</p> <ul style="list-style-type: none"> ◦ Particle filters or air cleaning devices shall be provided to clean the outdoor air at any location prior to its introduction to occupied spaces. ◦ These filters or devices shall be rated a minimum efficiency reporting value (MERV) of 13 or better in accordance with ASHRAE Standard 52.2. ◦ Clean air filtration media shall be installed in all air systems after completion of construction and prior to occupancy. 	7/19/2010
359*	Requirements	IEQc5	Indoor Chemical and Pollutant Source Control	<p>Remove the fourth bullet item:</p> <p>Provide containment drains plumbed for appropriate disposal of hazardous liquid wastes in spaces where water and chemical concentrate mixing occurs for maintenance or laboratory purposes.</p>	7/19/2010
359*	Requirements	IEQc5	Indoor Chemical and Pollutant Source Control	<p>The second indented bullet below the third bullet should read:</p> <ul style="list-style-type: none"> ◦ “These filters or devices shall meet one of the following criteria: <ul style="list-style-type: none"> ◦ Filtration media is rated at a minimum efficiency reporting value (MERV) of 13 or higher in accordance with ASHRAE Standard 52.2 ◦ Filtration media is Class F7 or higher, as defined by CEN Standard EN 779: 2002, Particulate air filters for general ventilation, Determination of the filtration performance ◦ Filtration media has a minimum dust spot efficiency of 80% or higher and greater than 98% arrestance on a particle size of 3–10 µg.” 	10/1/2012

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360	Environmental Issues	IEQc5	Indoor Chemical and Pollutant Source Control	Replace the paragraph with the following: This credit recognizes projects that reduce or mitigate human contact with airborne chemicals and particles. Additional materials and energy may be required to provide entryway systems and isolate chemical-use areas.	7/19/2010
361	4. Implementation	IEQc5	Indoor Chemical and Pollutant Source Control	In the fourth line of the paragraph, remove the text “; in addition, the storage, mixing, and disposal of housekeeping liquids may adversely affect human health”	7/19/2010
361	Entryway Systems	IEQc5	Indoor Chemical and Pollutant Source Control	In the first paragraph, remove the last sentence “When local code does not require separate plumbing for the sink located within the segregated area for hazardous gasses or chemicals, the separate plumbing may be waived.”	7/19/2010
361	Entryway Systems	IEQc5	Indoor Chemical and Pollutant Source Control	In the third and fourth paragraphs, replace both instances of “high-traffic” with “regularly used”	7/19/2010
362	Hazardous Chemical Areas	IEQc5	Indoor Chemical and Pollutant Source Control	Remove the sixth and seventh paragraphs: Rooms where chemicals are mixed and disposed should be isolated and include sinks and/or drains in appropriate locations to ensure these chemicals are properly disposed of and not dumped into inadequate spaces (e.g., restrooms); local codes requiring separate drain lines are to be followed. Special consideration should be given to the design and installation of containment drains to ensure that hazardous waste is properly disposed and to prevent environmental damage or contamination of water systems.	7/19/2010
363	5. Timeline and Team	IEQc5	Indoor Chemical and Pollutant Source Control	In the fifth line of the second paragraph, remove the text “and drainage piping”	7/19/2010
363	5. Timeline and Team	IEQc5	Indoor Chemical and Pollutant Source Control	In the second line of the third paragraph, remove the text “and separate drainage piping into the drawings and specifications”	7/19/2010

Page	Location	Credit	Credit Title	Issue	Post Date
365	13. Definitions	IEQc5	Indoor Chemical and Pollutant Source Control	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
368	4. Implementation	IEQc6.1	Controllability of Systems – Lighting	In the second line of the first paragraph, replace the word "forspecific" with "for specific" so the text becomes "...consideration for specific tasks..."	11/2/2009
372	13. Definitions	IEQc6.1	Controllability of Systems – Lighting	Revise the definition for individual occupant spaces to be, "In individual occupant spaces, occupants perform distinct tasks from one another. Such spaces may be contained within multi-occupant spaces and should be treated separately where possible. Individual occupant spaces may be regularly or non-regularly occupied spaces."	11/1/2011
372	13. Definitions	IEQc6.1	Controllability of Systems – Lighting	In alphabetical order, add the following definition for multi-occupant spaces , "Multi-Occupant Spaces are places of egress, congregation, or where occupants pursue overlapping or collaborative tasks. Multi occupant spaces may be regularly or non-regularly occupied spaces."	11/1/2011
372	13. Definitions	IEQc6.1	Controllability of Systems – Lighting	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
373*	Requirements	IEQc6.2	Controllability of Systems – Thermal Comfort	Add a new paragraph below the first paragraph that reads: "Conditions for thermal comfort are described in IEQ credit 7.1: Thermal Comfort—Design and include the primary factors of air temperature, radiant temperature, air speed and humidity."	10/1/2012
373*	Requirements	IEQc6.2	Controllability of Systems – Thermal Comfort	Delete the final sentence under requirements.	10/1/2012
375	4. Implementation	IEQc6.2	Controllability of Systems – Thermal Comfort	Add the following paragraph after the second paragraph: Individual comfort plug-in devices are acceptable for meeting the intent of this credit provided they are included in EA Prerequisite 2: Minimum Energy Performance and the proposed design model but not in the baseline model for EA Credit 1.3: Optimize Energy Performance, and EA Credit 1.4: Optimize Energy Performance--Equipment and Appliances as appropriate.	2/2/2011

Page	Location	Credit	Credit Title	Issue	Post Date
378	Definitions	IEQc6.2	Controllability of Systems – Thermal Comfort	Revise the definition for individual occupant spaces to be, "In individual occupant spaces, occupants perform distinct tasks from one another. Such spaces may be contained within multi-occupant spaces and should be treated separately where possible. Individual occupant spaces may be regularly or non-regularly occupied spaces."	11/1/2011
378	Definitions	IEQc6.2	Controllability of Systems – Thermal Comfort	In alphabetical order, add the following definition for multi-occupant spaces , "Multi-Occupant Spaces are places of egress, congregation, or where occupants pursue overlapping or collaborative tasks. Multi occupant spaces may be regularly or non-regularly occupied spaces."	11/1/2011
379*	Requirements	IEQc7.1	Thermal Comfort – Design	The Requirements section should read as follows: "Design heating, ventilating and air-conditioning (HVAC) systems to meet the requirements of one of the options below."	10/1/2012
379*	Requirements	IEQc7.1	Thermal Comfort – Design	Add a new option that reads: "OPTION 1. ASHRAE Standard 55-2004 or Non-U.S. Equivalent Meet the requirements of ASHRAE Standard 55-2004, Thermal Comfort Conditions for Human Occupancy (with errata but without addenda). Demonstrate design compliance in accordance with the Section 6.1.1 documentation. Projects outside the U.S. may use a local equivalent to ASHRAE Standard 55-2004 Thermal Comfort Conditions for Human Occupancy Section 6.1.1."	10/1/2012

Page	Location	Credit	Credit Title	Issue	Post Date
379*	Requirements	IEQc7.1	Thermal Comfort – Design	<p>Add a new option that reads: “OPTION 2. ISO 7730: 2005 & CEN Standard EN 15251: 2007</p> <p>Projects outside the U.S. may earn this credit by designing heating, ventilating and air conditioning (HVAC) systems and the building envelope to meet the requirements of International Organization for Standardization (ISO) 7730: 2005 Ergonomics of the thermal environment, Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria; and CEN Standard EN 15251: 2007, Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics.”</p>	10/1/2012
385	Definitions	IEQc7.1	Thermal Comfort - Design	In alphabetical order, add the following definition for nonoccupied spaces , "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011
387*	Requirements	IEQc7.2	Thermal Comfort – Verification	Replace “ASHRAE Standard 55-2004 (with errata but without addenda)” with “the standard used for design in IEQ Credit 7.1: Thermal Comfort – Design.”	10/1/2012
389	4. Implementation	IEQc7.2	Thermal Comfort - Verification	<p>Remove the fifth paragraph of the section:</p> <p>Even though this credit does not require a monitoring system in addition to occupant surveying to verify the thermal comfort conditions, it might be beneficial for the owner and design teams to employ both options in their operations and maintenance plan, especially for determining options for corrective action.</p>	7/19/2010
392	Definitions	IEQc7.2	Thermal Comfort - Verification	In alphabetical order, add the following definition for nonoccupied spaces , "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011

Page	Location	Credit	Credit Title	Issue	Post Date
392	Sixth definition	IEQc7.2	Thermal Comfort - Verification	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
Entire section	All	IEQc8.1	Daylight and Views – Daylight	Replace section with that of the supplementary document: https://www.usgbc.org/ShowFile.aspx?DocumentID=9377	5/9/2011
406	Definitions	IEQc8.1	Daylight and Views – Daylight	In alphabetical order, add the following definition for non-regularly occupied space , "Non-regularly occupied spaces are spaces that occupants pass through, or spaces used in pursuit of focused activities for less than one hour per person per day (on average)."	11/1/2011
406	Definitions	IEQc8.1	Daylight and Views – Daylight	In alphabetical order, add the following definition for nonoccupied spaces , "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011
406	Definitions	IEQc8.1	Daylight and Views – Daylight	Revise the definition for regularly occupied spaces to be, "Regularly occupied spaces are areas where one or more individuals normally spend time (more than one hour per person per day on average) seated or standing as they work, study, or perform other focused activities inside a building."	11/1/2011
406	13. Definitions	IEQc8.1	Daylight and Views – Daylight	Insert the term "Bay" in alphabetical order with the accompanying text "A bay is a component of a standard, rectilinear building design. It is the open area defined by a building element such as columns or a window. Typically, there are multiple identical bays in succession."	12/2/2009
406	13. Definitions	IEQc8.1	Daylight and Views – Daylight	Insert the term "Tenant space" in alphabetical order with the accompanying text "Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
409	6. Calculations	IEQc8.2	Daylight and Views – Views for Seated Spaces	In the first paragraph, replace the text "Movable furniture and partitions are included in the scope of this credit calculation. See Figure 2." with "Movable furniture and partitions are not included in the scope of this credit calculation. See Figure 2. Movable furniture and partitions are those that can moved to provide access to the view by the user without the need for tools or assistance from special trades and facilities management."	5/9/2011

Page	Location	Credit	Credit Title	Issue	Post Date
411	Figure 4	IEQc8.2	Daylight and Views – Views for Seated Spaces	Change figure title to "Figure 4. Unobstructed View through Window over Low Partition."	5/9/2011
413	13. Definitions	IEQc8.2	Daylight and Views – Views for Seated Spaces	After the definition for glare, add "Movable furniture and partitions are those that can be moved to provide access to the view by the user without the need for tools or assistance from special trades and facilities management."	5/9/2011
413	13. Definitions	IEQc8.2	Daylight and Views – Views for Seated Spaces	In alphabetical order, add the following definition for non-regularly occupied space , "Non-regularly occupied spaces are spaces that occupants pass through, or spaces used in pursuit of focused activities for less than one hour per person per day (on average)."	11/1/2011
413	13. Definitions	IEQc8.2	Daylight and Views – Views for Seated Spaces	In alphabetical order, add the following definition for nonoccupied spaces , "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011
413	13. Definitions	IEQc8.2	Daylight and Views – Views for Seated Spaces	Revise the definition for regularly occupied spaces to be, "Regularly occupied spaces are areas where one or more individuals normally spend time (more than one hour per person per day on average) seated or standing as they work, study, or perform other focused activities inside a building."	11/1/2011
413	13. Definitions	IEQc8.2	Daylight and Views – Views for Seated Spaces	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010
414	Footnote 15	IEQp2	Environmental Tobacco Smoke (ETS) Control	In the footnote that references Figure 2 on page 295 of IEQp2, at the end the text add the following: "This information is subject to change based on the ongoing indoor smoking legislation of each state."	11/2/2009
417*	Requirements	IDc1	Innovation in Design	Below the text of the "PATH 2" section text, insert the following section: Path 3. Pilot Credit (1 point) Attempt a pilot credit available in the Pilot Credit Library at www.usgbc.org/pilotcreditlibrary . Register as a pilot credit participant and complete the required documentation. Projects may pursue more than 1 pilot credit; however, a maximum of 1 point will be awarded.	4/14/2010 (updated 2/2/2011)
417*	Requirements	IDc1	Innovation in Design	In the header, change "(1 point)" to "(1 – 5 Points)"	2/2/2011
417*	Requirements	IDc1	Innovation in Design	Replace the last sentence of the paragraph with "Projects may pursue up to 5 Pilot Credits total."	2/2/2011

Page	Location	Credit	Credit Title	Issue	Post Date
427*	Requirements	RPc1	Regional Priority	In the second paragraph, replace the last sentence with "The USGBC has prioritized credits for projects located in the U.S., Puerto Rico, the U.S. Virgin Islands, and Guam. All other international projects should check the database for eligible Regional Priority credits."	11/3/2010
429	Glossary	n/a	n/a	In alphabetical order, add the term "An appurtenance is any built-in, nonstructural portion of a roof system, such as skylights, ventilators, mechanical equipment, partitions, and solar energy panels."	8/1/2011
430	Glossary	n/a	n/a	In alphabetical order, add the following definition for autocontrol faucets, " Autocontrol faucets have automatic fixture sensors or metering controls."	4/1/2012
430	Glossary	n/a	n/a	Insert the term "Bay" in alphabetical order with the accompanying text "A bay is a component of a standard, rectilinear building design. It is the open area defined by a building element such as columns or a window. Typically, there are multiple identical bays in succession."	12/2/2009
430	Glossary, Breathing zone	n/a	n/a	Replace the text with " Breathing zone is the region within an occupied space between 3 and 6 feet above the floor. Note that this definition varies from that of ASHRAE 62.1-2007, which states that the breathing zone is between 3 inches and 6 feet from the floor, and 2 feet from the walls as well as fixed air conditioning equipment."	4/14/2010
430	Glossary, baseline building performance	n/a	n/a	Replace the definition of "baseline building performance" with " Baseline building performance is the annual energy cost for a building design, used as a baseline for comparison with above-standard design."	10/1/2012
430	Glossary, blackwater	n/a	n/a	Replace the first sentence with, " Blackwater is wastewater containing urine or fecal matter that should be discharged to the sanitary drainage system of the building or premises in accordance with the International Plumbing Code."	10/1/2012
430	Glossary, brownfield	n/a	n/a	Replace "whose use" with "or the expansion, redevelopment, or reuse of which"	10/1/2012
431	Glossary, Building footprint	n/a	n/a	Revise the text for "Building footprint" to " Building footprint is the area on a project site used by the building structure, defined by the perimeter of the building plan. Parking lots, parking garages, landscapes, and other nonbuilding facilities are not included in the building footprint."	8/1/2011

Page	Location	Credit	Credit Title	Issue	Post Date
431	Glossary, chain of custody	n/a	n/a	Replace the definition of " chain-of-custody (COC) " with "the path taken by raw materials, processed materials, and products from the forest to the consumer, including all successive stages of processing, transformation, manufacturing and distribution. A chain-of-custody certificate number on invoices for nonlabeled products indicates that the certifier's guidelines for product accounting have been followed. A chain-of-custody certification is not required by distributors of a product that is individually labeled with the Forest Stewardship Council logo and manufacturer's chain-of-custody number. Chain of Custody (CoC) certification requirements are determined by Forest Stewardship Council Chain of Custody Standard 40-004 v2-1."	10/1/2012
431	Glossary, chlorofluorocarbons (CFCs)	n/a	n/a	Replace the definition of " chlorofluorocarbons (CFCs) " with "a compound of carbon, hydrogen, chlorine and fluorine, once commonly used in refrigeration, that depletes the stratospheric ozone layer."	10/1/2012
433	Glossary	n/a	n/a	Revise the definition for densely occupied spaces to be, "Densely occupied spaces are areas with a design occupant density of 25 people or more per 1,000 square feet (40 square feet or less per person)."	11/1/2011
435	Glossary	n/a	n/a	In alphabetical order, insert the term " emergency lighting " with the text "Emergency lighting as defined by the Illuminating Engineering Society of North America is lighting designed to supply illumination essential to the safety of life and property in the event of failure of the normal supply."	5/9/2011
435	Glossary	n/a	n/a	Insert the term "extraction, harvest or recovery point" in alphabetical order with the accompanying text " Extraction, harvest or recovery point refers to the location of raw materials prior to manufacturing of the building material or product that is furnished and installed in the project building."	7/19/2010
436	Glossary, graywater	n/a	n/a	Replace the definition of "graywater" with " Graywater is untreated household waste water which has not come into contact with toilet waste. Graywater typically includes used water from bathtubs, showers, bathroom wash basins, and water from clothes-washer and laundry tubs, though definitions may vary. Some states and local authorities also allow kitchen sink wastewater to be included in graywater. Project teams should comply with the graywater definition established by the authority having jurisdiction in the project area."	10/1/2012
437	Glossary, Green cleaning	n/a	n/a	Replace the term description of "Green cleaning" with new text so it becomes " Green cleaning is the use of cleaning products and practices that have lower environmental impacts and more positive indoor air quality impacts than conventional products and practices."	11/2/2009

Page	Location	Credit	Credit Title	Issue	Post Date
437	Glossary	n/a	n/a	In alphabetical order, add the term " Gross floor area (based on ASHRAE definition) is the sum of the floor areas of the spaces within the building, including basements, mezzanine and intermediate-floored tiers, and penthouses with headroom height of 7.5 ft (2.2 meters) or greater. Measurements must be taken from the exterior 39 faces of exterior walls OR from the centerline of walls separating buildings, OR (for LEED CI certifying spaces) from the centerline of walls separating spaces. Excludes non-enclosed (or non-enclosable) roofed-over areas such as exterior covered walkways, porches, terraces or steps, roof overhangs, and similar features. Excludes air shafts, pipe trenches, and chimneys. Excludes floor area dedicated to the parking and circulation of motor vehicles. (Note that while excluded features may not be part of the gross floor area, and therefore technically not a part of the LEED project building, they may still be required to be a part of the overall LEED project and subject to MPRs, prerequisites, and credits.)	8/1/2011
437	Glossary	n/a	n/a	Insert the term "Hospitality industry" in alphabetical order with the accompanying text "The hospitality industry consists of companies within the food services, accommodations, recreation, and entertainment sectors"	12/2/2009
437	Glossary, heat island effect	n/a	n/a	In the second sentence, delete "Particularly in urban areas"; revise the last clause so that it reads, "Other sources may include vehicle exhaust, air-conditioners, and street equipment. Reduced airflow because of tall buildings and narrow streets exacerbate the effect."	10/1/2012
438	Glossary	n/a	n/a	Revise the definition for individual occupant spaces to be, "In individual occupant spaces, occupants perform distinct tasks from one another. Such spaces may be contained within multi-occupant spaces and should be treated separately where possible. Individual occupant spaces may be regularly or non-regularly occupied spaces."	11/1/2011
440	Glossary	n/a	n/a	In alphabetical order, insert the term " movable furniture and partitions " with the text "Movable furniture and partitions are those that can be moved to provide access to the view by the user without the need for tools or assistance from special trades and facilities management."	5/9/2011
441	Glossary	n/a	n/a	Replace the definition for group multioccupant spaces with the following definition for multi-occupant space , "Multi occupant spaces are places of egress, congregation, or where occupants pursue overlapping or collaborative tasks. Multi occupant spaces may be regularly or non-regularly occupied spaces."	11/1/2011
441	Glossary	n/a	n/a	In alphabetical order, add the following definition for non-densely occupied space, "Non-densely occupied spaces are areas with a design occupant density of less than 25 people per 1,000 square feet (40 square feet or more per person)."	11/1/2011

Page	Location	Credit	Credit Title	Issue	Post Date
441	Glossary	n/a	n/a	In alphabetical order, add the following definition for non-regularly occupied space, "Non-regularly occupied spaces are spaces that occupants pass through, or spaces used in pursuit of focused activities for less than one hour per person per day (on average)."	11/1/2011
441	Glossary	n/a	n/a	Revise the definition for nonoccupied spaces to be, "Nonoccupied spaces are defined as spaces designed for equipment and machinery or storage with no human occupancy except for maintenance, repairs, and equipment retrieval."	11/1/2011
441	Glossary	n/a	n/a	In alphabetical order, add the following definition for occupied spaces , "Occupied spaces are defined as enclosed spaces that can accommodate human activities. Occupied spaces are further classified as regularly occupied or non-regularly occupied spaces based on the duration of the occupancy, individual or multi-occupant based on the quantity of occupants, and densely or non-densely occupied spaces based upon the concentration of occupants in the space."	11/1/2011
443	Glossary, postconsumer material			Replace the definition of " postconsumer material " with "waste generated by end users (households or commercial, industrial and institutional facilities) of a product no longer able to be used for its intended purpose that is recycled into raw material for a new product."	10/1/2012
443- 444	Glossary	n/a	n/a	In alphabetical order, insert the terms: Private or private use applies to plumbing fixtures in residences, apartments, and dormitories, to private (non-public) bathrooms in transient lodging facilities (hotels and motels), and to private bathrooms in hospitals and nursing facilities. Public or public use applies to all buildings, structures, or uses that are not defined as private or private use.	12/2/2009
443	Glossary	n/a	n/a	Replace the definition of " Previously developed sites " with "Previously developed sites are those altered by paving, construction, and/or land use that would typically have required regulatory permitting to have been initiated (alterations may exist now or in the past). Previously developed land includes a platted lot on which a building was constructed if the lot is no more than 1 acre; previous development on lots larger than 1 acre is defined as the development footprint and land alterations associated with the footprint. Land that is not previously developed and altered landscapes resulting from current or historical clearing or filling, agricultural or forestry use, or preserved natural area use are considered undeveloped land. The date of previous development permit issuance constitutes the date of previous development, but permit issuance in itself does not constitute previous development."	11/1/2011

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445	Glossary	n/a	n/a	Revise the definition for regularly occupied spaces to be, "Regularly occupied spaces are areas where one or more individuals normally spend time (more than one hour per person per day on average) seated or standing as they work, study, or perform other focused activities inside a building."	11/1/2011
446	Glossary	n/a	n/a	In alphabetical order, add the term, " Roof area is the area of the uppermost surface of the building which covers enclosed Gross Floor Area, as measured when projected onto a flat, horizontal surface (i.e. as seen in Roof Plan view). 'Roofs', or portions of roofs, covering unenclosed areas (e.g. roofs over porches and open covered parking structures) are not included in the areas used to evaluate compliance with Path 5, though they may be applicable to Path 4."	8/1/2011
446	Glossary	n/a	n/a	Insert the term "Sealers" in alphabetical order with the accompanying text " Sealers are coatings applied to either block materials from penetrating into or leaching out of a substrate, to prevent subsequent coatings from being absorbed by the substrate, or to prevent harm to subsequent coatings by materials in the substrate."	1/8/2010
446	Glossary, sealant	n/a	n/a	Add the following sentence to the end of " sealant " definition, "Sealants are used on wood, fabric, paper, corrugated paperboard, plastic foam and other materials with tiny openings, often microscopic, that may absorb or discharge gas or fluid."	10/1/2012
446	Glossary, solar reflectance, albedo	n/a	n/a	Replace the definition of " solar reflectance, albedo " with "the fraction of solar energy that is reflected by a surface on a scale of 0 to 1. Black paint has a solar reflectance of 0; white paint (titanium dioxide) has a solar reflectance of 1. The standard technique for its determination uses spectrophotometric measurements, with an integrating sphere to determine the reflectance at each wavelength. The average reflectance is then determined by an averaging process, using a standard solar spectrum, as documented by ASTM Standards E903 and E892."	10/1/2012
448	Glossary	n/a	n/a	Insert the term "Tenant space" in alphabetical order with the accompanying text " Tenant space is the area within the LEED project boundary. For more information on what can and must be in the LEED project boundary see the Minimum Program Requirements (MPRs) and LEED 2009 MPR Supplemental Guidance. Note: tenant space is the same as project space."	1/8/2010

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448	Glossary, urea formaldehyde	n/a	n/a	Replace the definition of " urea-formaldehyde " with "a combination of urea and formaldehyde used in some glues and adhesives, particularly in composite wood products. At room temperature, ureaformaldehyde emits formaldehyde, a toxic and possibly carcinogenic gas."	10/1/2012
449	Glossary, Waste disposal	n/a	n/a	In the term description, remove the phrase "dumping at sea"	11/2/2009
449	Glossary, volatile organic compounds (VOCs)	n/a	n/a	Replace the definition of " volatile organic compounds (VOC's) " with "a carbon compound that vaporizes (becomes a gas) at normal room temperatures. VOCs contribute to air pollution directly and through atmospheric photochemical reactions (excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides and carbonates, and ammonium carbonate) to produce secondary air pollutants, principally ozone and peroxyacetyl nitrate."	10/1/2012

*Shaded rows denote rating system changes. The purpose of these rating system changes within the rating system portions of the *LEED Reference Guide for Green Interior Design and Construction* is to align with the Rating System.

Note: The online version of the rating system takes precedent over the rating system portions of the LEED Reference Guides in project guidance and application; project teams are required to adhere to the rating system and rating system addenda effective at the time of the project's registration date.