



# Errata Sheet

for the document titled:

## **LEED for New Construction Version 2.2 Reference Guide Second Edition, September 2006**

### *Notes:*

- Updates to this document are posted on the LEED for New Construction Rating System page
- 1st Edition errata posted November 17, 2005, and June 29, 2006, have been incorporated into the 2nd Edition of the LEED for New Construction Reference Guide.

### Errata posted 6/13/2008

EQc3.1	317	Under the heading “Requirements” , in the first bullet point, the referenced standard has been updated to the “SMACNA IAQ Guidelines for Occupied Buildings under Construction, Second Edition-November 2007, chapter 3”
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### Errata posted 4/7/2008

MRc7	282 & 285	Under “Summary of Referenced Standard” (p288) and “Resources” (p291), change the Forest Stewardship Council, United States’ phone number to (703) 438-6401
MRc7	282	Revise the “Chain of Custody (COC) Certification” definition to:  <b>Chain-of-Custody (COC) Certification</b> enables tracking of wood all the way through the value chain into final products. It is awarded to companies that produce, sell, promote, or trade forest products after audits verify proper accounting of material flows and proper use of the FSC name and logo.
MRc7	283	Replace the text under “Chain-of-Custody Requirements” with the text below:  <b>Chain-of-Custody Requirements</b> Each wood products vendor that invoices FSC-certified wood products to project contractors and subcontractors must be COC-certified by an FSC-accredited certifier. Contractors and subcontractors are not required to have COC certification.
MRc7	283	Replace the text under “Calculations” with the text below:  List all new (i.e. not reclaimed, salvaged, or recycled, etc.) wood products used on the project and identify which products are FSC certified. Using <b>Equation 1</b> , tally both the non-FSC-certified wood and the FSC certified wood. Wood products that are identified as “FSC Pure” or “FSC Mixed Credit” shall be valued at 100% the product cost. Wood products identified as “FSC Mixed [NN] %” should be

		valued at the indicated percentage of their cost, e.g., a product identified as “FSC Mixed 75%” should be valued at 75% of the cost. “FSC Recycled” and “FSC Recycled Credit” products do not contribute to this credit.
MRc7	283	<p>Replace the text under “Submittal Documentation” with the text below:</p> <p>This credit is submitted as part of the <b>Construction Submittal</b>.</p> <p>The following data and calculation information is required in order to complete the v2.2 Submittal Templates:</p> <ul style="list-style-type: none"> <li>□ For all permanently-installed wood products, both FSC-certified and not, vendor invoices must be compiled, and wood price values entered into the submittal template. A Vendor is defined as the company that sells wood products to building project contractors or subcontractors.</li> </ul> <p>Each vendor invoice must conform to the following requirements:</p> <ol style="list-style-type: none"> <li>1. Each wood product must be identified on a line-item basis;</li> <li>2. FSC products must be identified as such on a line-item basis and must be identified as “FSC Pure,” “FSC Mixed Credit,” or “FSC Mixed [NN]%”;</li> <li>3. The \$ value of each line item must be shown;</li> <li>4. The vendor’s chain-of-custody (COC) number must be shown on any invoice that includes FSC products.</li> </ol> <p>Exceptions – in some rare instances, it may not be practical for a vendor to invoice wood products on a line-item basis because the invoice would be dozens of pages long. In such cases, the invoice should indicate the aggregate value of wood products sold by the vendor. If the wood products are FSC certified:</p> <ol style="list-style-type: none"> <li>1. The vendor’s COC number must be shown on the invoice;</li> <li>2. The invoice must be supplemented by a letter from the vendor stating that the products invoiced are FSC certified.</li> <li>3. The invoice or the letter must state whether the products are “FSC Pure,” “FSC Mixed Credit,” or “FSC Mixed [NN]%.”</li> </ol> <p>An optional narrative can be submitted describing any special circumstances or considerations regarding the project's credit approach.</p>
MRc7	283	<p>Replace the title “<b>Assemblies</b>” with “<b>Products that Combine Wood and Other Materials</b>” and under that heading replace the existing text with the following:</p> <p>In the case of manufactured products such as windows and some furniture systems that combine wood and non-wood materials, only the wood portion can be applied toward the credit. To determine the value of the wood portion, calculate the amount of wood as a percent of the total weight, volume, or cost of the product and multiply this by the total value of the product as invoiced to project contractors, subcontractors, or buying agents.</p> <p>If the wood portion of the assembly product is identified as “FSC Pure” or “FSC Mixed Credit,” then 100% of the value of the wood portion shall count toward achievement of the credit. If the product is identified as “FSC Mixed [NN]%,”</p>

		<p>then the wood portion should be valued at the indicated percentage, e.g., for a product identified as “FSC Mixed 75%,” the wood portion should be valued at 75% of the cost.</p> <p>The calculations for certified wood shall include only new wood products. The value of any recycled wood fiber content of a product that qualifies as contributing to MR Credit 4, Recycled Content Materials, shall be excluded.</p>
MRc7	284	<p>Under Definitions, revise the “Chain of Custody (COC)” definition so it reads as follows:</p> <p><b>Chain-of-Custody (COC)</b> is 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. The COC certificate number is listed on vendor invoices for products to document that an entity has followed FSC guidelines for product accounting.</p>

Errata posted 10/31/2007

EAc1	179	<p>In the last paragraph of option 2, at the end of the last paragraph, (i.e., after the sentence ending with "for the climate zone in which the building is located."),</p> <p>add the following:</p> <p>"Teams must also provide additional documentation, such as relevant detailed drawings, cut sheets, mechanical/electrical schedules, sections' of specifications or other documentation to demonstrate compliance with this standard."</p>
EAc2	202	<p>Top of the page, left hand column under the title “Default Annual Fuel Costs”</p> <p>“58.3kBtu/sf-yr”</p> <p>should be</p> <p>“58.5kBtu/sf-yr”</p>
EQc6.2	366	<p>Top of the page, left hand column in the sentence “ASHRAE Standard 55-2004, Thermal Comfort Conditions for Human Occupancy”, change “Comfort” to “Environmental”</p>
EQc8.1	381	<p>Please replace the last phrase of the title "Regularly Occupied Spaces" to the following (changes in CAPS)</p> <p>"in residential applications it refers to ALL SPACES EXCEPT CLOSETS OR OTHER STORAGE AREAS, UTILITY ROOMS, AND BATHROOMS. (BEDROOMS, LIVING ROOMS, TV ROOMS, DINING ROOMS, KITCHENS, MEDIA ROOMS, ETC. WOULD ALL BE CONSIDERED "REGULARLY OCCUPIED.)"</p>
EQc8.2	385	<p>In table 1, Left hand side, change the room “102 Conference” to “102 Office”</p>
EQc8.2	388	<p>Please replace the last phrase of the title "Regularly Occupied Spaces" to the following (changes in CAPS)</p> <p>"in residential applications it refers to ALL SPACES EXCEPT CLOSETS OR OTHER STORAGE AREAS, UTILITY ROOMS, AND BATHROOMS. (BEDROOMS, LIVING ROOMS, TV ROOMS, DINING ROOMS, KITCHENS, MEDIA ROOMS, ETC. WOULD ALL BE CONSIDERED "REGULARLY OCCUPIED.)"</p>

EQ Glossary	412	Please replace the last phrase of the title "Regularly Occupied Spaces" to the following (changes in CAPS)  "in residential applications it refers to ALL SPACES EXCEPT CLOSETS OR OTHER STORAGE AREAS, UTILITY ROOMS, AND BATHROOMS. (BEDROOMS, LIVING ROOMS, TV ROOMS, DINING ROOMS, KITCHENS, MEDIA ROOMS, ETC. WOULD ALL BE CONSIDERED "REGULARLY OCCUPIED.")"

#### Errata posted September 28 2007

EAp2	163	Under the title "Requirements", delete  "without amendments" from the first and second bullet point
EAp3	169	At the end of the requirements section, before "Potential Technologies and Strategies" add the sentence "Small HVAC units (defined as containing less than 0.5 lbs of refrigerant), and other equipment such as standard refrigerators, small water coolers, and any other cooling equipment that contains less than 0.5 lbs of refrigerant, are not considered part of the "base building" system and are not subject to the requirements of this credit."
EAc1	173-186	Replace all text with <a href="https://www.usgbc.org/ShowFile.aspx?DocumentID=3198">https://www.usgbc.org/ShowFile.aspx?DocumentID=3198</a>  <i>Note: Tables, figures and equations are not included in this file and should be referenced within the actual reference guide.</i>  This includes <ul style="list-style-type: none"> <li>Table 1: page 175</li> <li>Table 2: page 176</li> <li>Figure 1&amp;2: page 185</li> <li>Equation 1: page 186</li> </ul>
EAc4	211	In the sentence "Rc: Refrigerant charge (0.5 to 5.0 lbs of refrigerant per ton of cooling capacity)" Add "Gross ARI rated" so that the sentence reads  "Rc: Refrigerant charge (0.5 to 5.0 lbs of refrigerant per ton of <u>Gross ARI rated</u> cooling capacity)"
EAc4	211	In the sentence "Qunit = cooling capacity of an individual HVAC or refrigeration unit" Add "gross ARI rated" so that the sentence reads  "Qunit = <u>Gross ARI rated</u> cooling capacity of an individual HVAC or refrigeration unit"
EAc4	211	In the sentence "Qtotal = Total cooling capacity" Add "Gross ARI rated" so that the sentence reads  Qtotal = Total <u>Gross ARI rated</u> cooling capacity
EAc4	216	left column, bottom, under "Calculations" change the first bullet point to

		<ul style="list-style-type: none"> <li>“Refrigerant charge, (Rc) in lbs of refrigerant per ton of <u>Gross ARI rated</u> cooling capacity”</li> </ul>
EAc4	217	<p>Left column, towards the bottom, replace the sentence</p> <p><i>” If there are multiple pieces of base building HVAC&amp;R equipment, the project should use a weighted average of all equipment, based on <u>cooling capacity</u>”</i></p> <p>with</p> <p>“If there are multiple pieces of base building HVAC&amp;R equipment, the project should use a weighted average of all equipment, based on <u>Gross ARI rated</u> cooling capacity”</p>
EAc4	217	<p>Left column, towards the bottom, replace the bullet point</p> <ul style="list-style-type: none"> <li>○ “Qunit = cooling capacity of an individual HVAC or refrigeration unit (tons)”</li> </ul> <p>With</p> <ul style="list-style-type: none"> <li>○ “Qunit = <u>Gross ARI rated</u> cooling capacity of an individual HVAC or refrigeration unit (tons)”</li> </ul>
EAc4	217	<p>Left column, towards the bottom, replace the bullet point</p> <ul style="list-style-type: none"> <li>○ “Qtotal = Total cooling capacity of all HVAC or refrigeration”</li> </ul> <p>With</p> <ul style="list-style-type: none"> <li>○ Qtotal = Total <u>Gross ARI rated</u> cooling capacity of all HVAC or refrigeration</li> </ul>
<p><b>Errata posted 8/1/07</b></p>		
Intro	ii	<p>Change the USGBC address to:</p> <p>U.S. Green Building Council 1800 Massachusetts Ave, NW Suite 300 Washington, DC 20036</p>
Intro	12	<p>Under the second paragraph of LEED Green Building Rating System: History of LEED, add the definition of LEED so the first sentence begins:</p> <p>“The first LEED (Leadership in Energy and Environmental Design) Pilot Project Program...”</p>
Intro	15	<p>At the end of the last paragraph, add “Credit rulings posted after the registration date may be applied by the project team at their choosing (exception: the project’s own CIRs must always be adhered to).”</p>
Intro	17	<p>Under Updates and Addenda, replace “addenda” with “errata”</p>
Intro	17	<p>Under the heading “Appeals”, replace the entire paragraph with</p> <p>“Appeals may be filed either after the design phase review or the final review. Please see the LEED Certification Process section (<a href="http://www.usgbc.org/DisplayPage.aspx?CMSPageID=1497">http://www.usgbc.org/DisplayPage.aspx?CMSPageID=1497</a>) of the USGBC Web site for more information on appeals.”</p>

Intro	17	Replace the first sentence under the heading “Fees” with “Certification fee information can be found at the LEED Register your project page of the web site. <a href="http://www.usgbc.org/DisplayPage.aspx?CMSPageID=65&amp;">http://www.usgbc.org/DisplayPage.aspx?CMSPageID=65&amp;</a>
Intro	18	In the last paragraph under Updates and Addenda, add “errata” between “credits,” and “and credit rulings”.
SSc1	29	Clarification of “water body” definition. Under Approach and Implementation, add a new paragraph after the second paragraph that reads: “Regarding the fifth bullet point of the Requirements, the Clean Water Act is vague in defining “water body” and thus requires interpretation. Small man-made ponds, such as those used in storm-water retention, fire suppression and recreation are not to be included in this definition for LEED purposes. Man-made wetlands and other water bodies created to restore natural habitat and ecological systems are not exempt. Wetlands are addressed specifically by the fourth bullet point of the Requirements.”
SSc1	30	Replace the existing ESRI web link with “ <a href="http://www.esri.com/hazards">www.esri.com/hazards</a> ”
SSc2	37	Delete the text under “Exemplary Performance” and replace with the following language from the CIR dated September 22, 2006:  “Based on evidence that higher density locations can achieve substantially and quantifiably higher environmental benefits, the following threshold requirements can be used to qualify a project for an exemplary performance Innovation Credit:  A LEED for New Construction project must first meet the requirements of Option 1 of SSc2 (density path) in LEED for New Construction v2.2. Additionally, the project must meet one of the two following requirements:  <ul style="list-style-type: none"> <li>▪ The project itself must have a density of at least double that of the average density within the calculated area (see equation 2). <i>OR</i></li> <li>▪ 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 property area first.</li> </ul> These requirements are based on the decision that a project achieving exemplary performance for this credit should: <ul style="list-style-type: none"> <li>▪ Not lower the existing average density of the area,</li> <li>▪ Achieve a density of at least twice the threshold of the base credit, <i>AND/OR</i></li> <li>▪ Locate within an area of established density that is larger than that required for the base credit, which is why the radius used in the base credit has been doubled.”</li> </ul>
SSc2	39	Add to the definition of Square Footage:  “Only 2 stories of a parking structure may be counted as part of building square footage. Surface parking (only 1 story of parking) cannot count as part of building square footage; this is to ensure efficient use of land adjacent to the building footprint. Both structured and stacked parking are allowable in square footage calculations.”
SSc4.1	49	Under Exemplary Performance, add a new paragraph with language from Credit Ruling dated September 11, 2006: “Based on evidence that locations with higher transit density can achieve substantially and a quantifiably higher environmental benefit, meeting the following threshold qualifies a project for exemplary performance Innovation Credit. This follows the Center for Clean Air Policy’s

		<p>finding that average transit ridership increases by 0.5% for every 1.0% increase in growth of transit service levels, which leads to the conclusion that quadrupling transit service generally doubles transit ridership.</p> <p>To accomplish this quadrupling of service and doubling of ridership, at a minimum:</p> <ul style="list-style-type: none"> <li>▪ Locate the project within ½ mile of at least two existing commuter rail, light rail, or subway lines, <i>OR</i> locate project within ¼ mile of at least two or more stops for four or more public or campus bus lines usable by building occupants; <i>AND</i></li> <li>▪ Frequency of service must be such that at least 200 transit rides per day are available in total at these stops. A combination of rail and bus is allowable. This strategy is based on the assumption that the threshold of the base credit would provide, in most cases, at least 50 transit rides per day (half-hourly service 24 hours per day or more frequent service for less than 24 hours per day). If, on average, transit ridership increases by 0.5% for every 1.0% increase in transit service, then quadrupling the number of rides available would, on average, double the transit ridership. (4 x 50 rides = 200 rides). Include a transit schedule and map within your LEED certification submittal.”</li> </ul>
SSc4.3	61	“Electric Drive Transportation Association”, should be “Transportation”
SSc4.3	61	Under the Natural Gas Vehicle Coalition, replace the existing web link with “ <a href="http://www.ngvc.org">http://www.ngvc.org</a> ”.
SSc4.4	63	Add a space below “Provide no new parking” under Option 4 to separate Option 4 requirements from the italicized text. Add a title, “NOTES:” in the new space between Option 4 and the italicized text.
SSc4.4	63	<p>Under Requirements, below the italicized text in NOTES, add:</p> <p>“When parking minimums are not defined by relevant local zoning requirements, or when there are no local zoning requirements, either:</p> <p>A) Meet the requirements of Portland, Oregon, Zoning Code: Title 33, Chapter 33.266 (Parking and Loading)</p> <p>OR, if this standard is not appropriate for the building type,</p> <p>B) Install 25% less parking than the building type's average listed in the Institute of Transportation Engineers' Parking Generation study, 3rd Edition.”</p>
SSc4.4	64	<p>Replace the text under Summary of Referenced Standard with the following text:</p> <p><b>“Portland, Oregon, Zoning Code: Title 33, Chapter 33.266 (Parking and Loading)</b> Available through <a href="http://www.portlandonline.com/planning/">http://www.portlandonline.com/planning/</a>.</p> <p><b>Institute of Transportation Engineers' <i>Parking Generation</i>, 3rd Edition</b></p>
SSc5.2	74	<p>The definition of Open Space Area needs clarification. Replace with:</p> <p>“Open Space Area is as defined by local zoning requirements. If local zoning requirements do not clearly define open space, it is defined for the purposes of LEED calculations as the property area minus the development footprint; and it must be vegetated and pervious, with exceptions only as noted in the credit requirements section. For projects located in urban areas that earn SS Credit 2, open space also includes non-vehicular, pedestrian-oriented hardscape spaces.”</p>

SSc7.1	90	In the second paragraph of Approach and Implementation, replace the existing web link for “Albedo: A Measure of Pavement Surface Reflectance,” with <a href="http://www.pavement.com/Downloads/RT/RT3.05.pdf">“http://www.pavement.com/Downloads/RT/RT3.05.pdf”</a> .
SSc7.1	91	In the first sentence of Exemplary Performance, delete “a minimum of”.
SSc7.1	93	Under American Concrete Pavement Association, replace the existing web link for “Albedo: A Measure of Pavement Surface Reflectance,” with <a href="http://www.pavement.com/Downloads/RT/RT3.05.pdf">“http://www.pavement.com/Downloads/RT/RT3.05.pdf”</a> .
SSc7.2	97	In Table 1, the row for Aluminum should be labeled “Aluminum Coating”. Revise Infrared Emittance to be “0.25” and SRI to be “50”.
SSc7.2	99	Under Extensive Green Roofs, replace the existing web link with <a href="http://www.wbdg.org/design/greenroofs.php">http://www.wbdg.org/design/greenroofs.php</a> .
SSc8	110	Under Sky & Telescope, replace the existing web link with <a href="http://skytonight.com/resources/darksky">“http://skytonight.com/resources/darksky”</a>
WEc1	120	In the first column, delete the following:  “The values for ET in various regions throughout the United States can be found in regional agricultural data (see Resources section).”  To be replaced by:  “The Resources section provides a link to ET data.”
WEc1	124	Under Resources, replace the reference to “Texas Evapotranspiration Web Site” with the following:  <b>Rain Bird® ET Manager™ Scheduler Software</b> (right hand side under “Helpful tools”) <a href="http://www.rainbird.com/landscape/products/controllers/etmanager.htm">http://www.rainbird.com/landscape/products/controllers/etmanager.htm</a> This free software provides sufficient local evapotranspiration data for the United States and Canada. Use data from the closest or most climate-appropriate location.
WEc1	124	Under Water-Efficient Landscaping: Preventing Pollution and Using Resources Wisely, replace the existing web link with <a href="http://www.epa.gov/OW-OWM.html/water-efficiency/docs/water-efficient_landscaping_508.pdf">“http://www.epa.gov/OW-OWM.html/water-efficiency/docs/water-efficient_landscaping_508.pdf”</a>
WEc2	135	Under How to Conserve Water and Use it Effectively, replace the existing web link with <a href="http://www.epa.gov/OWOW/nps/chap3.html">“http://www.epa.gov/OWOW/nps/chap3.html”</a>
WEc2	135	Under On-site Wastewater Treatment Systems Manual, replace the existing web link with <a href="http://www.epa.gov/OW-OWM.html/septic/pubs/septic_management_handbook.pdf">“http://www.epa.gov/OW-OWM.html/septic/pubs/septic_management_handbook.pdf”</a>
WEc3	145	Under Smart Communities Network, replace the existing web link with <a href="http://www.smartcommunities.ncat.org/">“http://www.smartcommunities.ncat.org/”</a> .
WE	147	Under Endnote 2, replace the existing web link with <a href="http://www.epa.gov/OW-OWM.html/water-efficiency/docs/water-efficient_landscaping_508.pdf">“http://www.epa.gov/OW-OWM.html/water-efficiency/docs/water-efficient_landscaping_508.pdf”</a>
EA	150	Insert “*” in the “Construction Submittal” cell in Table 1 for EAc3, Enhanced Commissioning.
EA	150	On Table 1, change “Eac3” to “EAc3” and change “Eac4” to “EAc4”



EAp1	161	Under The Building Commissioning Handbook, replace the existing web link with “ <a href="http://www.bcx.org/resources/index.shtm">http://www.bcx.org/resources/index.shtm</a> ”																																			
EAc1	186	Under the heading “Exemplary Performance”, replace the existing text with the following:  “Projects pursuing EAc1, Option 1, that demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004 by the following minimum energy cost savings percentages will be considered for one additional point under the Innovation in Design category: - New Buildings: 45.5% - Existing Buildings: 38.5%																																			
EAc1	193	Under the Office of Energy Efficiency and Renewable Energy, replace the existing web link with “ <a href="http://www.eere.energy.gov/buildings/">http://www.eere.energy.gov/buildings/</a> ”																																			
EAc1	193	Under Sustainable Buildings Industry Council (SBIC), replace the existing link with “ <a href="http://www.nrel.gov/buildings/energy10.html">http://www.nrel.gov/buildings/energy10.html</a> ”																																			
EAc2	202	Under the heading “Exemplary Performance” replace the existing text with the following:  “An innovation in design point for exemplary performance may be available when the next incremental percentage threshold is achieved. For on-site renewable energy, the % of renewable energy must be 17.5% or greater.”																																			
EAc2	204	Under Net Metering, replace the existing web link with “ <a href="http://www.eere.energy.gov/greenpower/markets/netmetering.shtml">http://www.eere.energy.gov/greenpower/markets/netmetering.shtml</a> ”																																			
EAc4	217	In Example Calculation 1, there are incorrect calculations. Please make the following changes outlined in red in the Calculations portion of the table: <table><tr><th colspan="5">Calculations</th></tr><tr><th>Tr Total Leaka ge (Lr x Life + Mr)</th><th>LCG WP (GWPr x Tr x Rc)/ Life</th><th>LCO DP x 10<sup>5</sup> 100,00 0 x (ODPr x Tr x Rc)/ Life</th><th>Refrigerant Atmospher ic Impact = LCGWP + LCODP x 10<sup>5</sup></th><th>(LCG WP + LCOD P x 10<sup>5</sup>) x N x Qunit</th></tr><tr><td>40%</td><td>90.72</td><td>0</td><td>90.7</td><td>5443</td></tr><tr><td>40%</td><td>156.6</td><td>352</td><td>508.6</td><td>1017</td></tr><tr><td>30%</td><td>112.1</td><td>252</td><td>364.1</td><td>364</td></tr><tr><td></td><td></td><td></td><td>Subtotal:</td><td>6825</td></tr><tr><td colspan="4">Average Refrigerant Atmospheric Impact = [ Σ (LCGWP + LCODP x 10<sup>5</sup>) x Qunit ] / Qtotal :</td><td>108.3</td></tr></table>	Calculations					Tr Total Leaka ge (Lr x Life + Mr)	LCG WP (GWPr x Tr x Rc)/ Life	LCO DP x 10 <sup>5</sup> 100,00 0 x (ODPr x Tr x Rc)/ Life	Refrigerant Atmospher ic Impact = LCGWP + LCODP x 10 <sup>5</sup>	(LCG WP + LCOD P x 10 <sup>5</sup> ) x N x Qunit	40%	90.72	0	90.7	5443	40%	156.6	352	508.6	1017	30%	112.1	252	364.1	364				Subtotal:	6825	Average Refrigerant Atmospheric Impact = [ Σ (LCGWP + LCODP x 10 <sup>5</sup> ) x Qunit ] / Qtotal :				108.3
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		<div>Tr Total Leaka ge (Lr x Life + Mr)</div>	<div>LCG WP (GWPr x Tr x Rc)/ Life</div>	<div>LCO DP x 10<sup>5</sup> 100,00 0 x (ODPr x Tr x Rc)/ Life</div>	<div>Refrigerant Atmospher ic Impact = LCGWP + LCODP x 10<sup>5</sup></div>	<div>(LCG WP + LCOD P x 10<sup>5</sup>) x N x Qunit</div>
		33%	37.9	0	37.9	18939
		50%	93.5	210	303	15173
		40%	113.9	256	369.9	18496
					Subtotal:	52608
		Average Refrigerant Atmospheric Impact = [ Σ (LCGWP + LCODP x 10 <sup>5</sup> ) x Qunit ] / Qtotal : 87.7				
EAc4	218	In Calculation 3, change the Average Refrigerant Atmospheric Impact to “10 <sup>5</sup> ” instead of “105”				
EAc5	222	Under International Performance Measurement & Verification Protocol, replace the existing web link with “ <a href="http://www.evo-world.org/ipmvp.php">www.evo-world.org/ipmvp.php</a> ”. In the description below, replace “IPMVP” with Efficiency Valuation Organization (EVO).				
EAc5	223	Under Submittal Documentation, the first sentence should read “This credit is submitted as part of the <b>Construction Submittal.</b> ”				
EAc6	228	<p>Before the numbered items in Approach and Implementation insert the following:</p> <p>“NOTE: The power product purchased to comply with credit requirements need not be Green-e certified, but projects are required to document to USGBC that their renewable supplier has 1) met the Green-e criteria, and 2) properly accounted for the eligible renewable resources sold. This documentation to USGBC must include some type of meaningful verification work performed by a qualified, disinterested third party.</p> <p>Example documentation methods to USGBC that meet this requirement include: a) providing a state-mandated power disclosure label from the renewable supplier in states with meaningful regulatory requirements for renewable energy disclosure and accounting practices, as well as meaningful penalties for violations; b) providing a green power scorecard or rating from a credible, independent entity that performs meaningful verification of green power characteristics and accounting practices. In either case projects must confirm that the third-party entity’s regulatory or verification programs are meaningful, summarizing those programs to USGBC as part of their certification application and highlighting any auditing or other independent checks the program performs. Other documentation methods will be considered on a case-by-case basis.”</p>				
MRc1	248	For clarification purposes, replace the definition of Interior Non-Structural Components Reuse to “Interior Non-Structural Components Reuse is determined by dividing the total area (sq. ft.) of retained interior, non-structural components by the total area (sq. ft.) of the interior, non-structural components included in the completed design.”				
MRc2.1	249	Add to last sentence on the page, in regards to salvage materials: “(see page 251)”				
MRc2	251	Insert as the last sentence of the Approach & Implementation section: “Materials salvaged and reused on-site can contribute to this credit if they are not included in Credit 3 calculations.”				
MRc2	254	Under Waste Spec, replace the existing web link with “ <a href="http://www.tjcog.dst.nc.us/regplan/wastspec.htm">http://www.tjcog.dst.nc.us/regplan/wastspec.htm</a> ”.				
MRc3	259	Revise the last sentence in the second column, first paragraph, to read “Materials contributing toward achievement of Credit 3 cannot be applied to MR Credits 1, 2, 4, 6 or 7. If MRc3 is not				

		being attempted, applicable materials can be applied to another LEED credit if eligible.”
MRc3	262	Under Old to New, replace the existing web link with “ <a href="http://www.lifecyclebuilding.org/resources/Old%20to%20New%20Design%20Guide.pdf">http://www.lifecyclebuilding.org/resources/Old%20to%20New%20Design%20Guide.pdf</a> ”
MRc4	269	Within the definition of Pre-Consumer Content, third sentence, replace “this” with “the pre-consumer”
MRc7	283	In “Chain-of-Custody Requirements” section, second paragraph, delete “and all lumber”. Thus, only the manufacturer’s CoC number is needed for individually labeled lumber used in the project.
EQp2	296	Move the first sentence in bullet 5 of Option 3 to the end of the 4 <sup>th</sup> bullet on page 295.
EQp2	296	Replace the existing web link for the Residential Manual for Compliance with California’s 2001 Energy Efficiency Standard with “ <a href="http://www.energy.ca.gov/title24/2001standards/residential_manual/index.html">http://www.energy.ca.gov/title24/2001standards/residential_manual/index.html</a> ”.
EQp2	297	Replace the existing web link for Residential Manual for Compliance with California’s 2001 Energy Efficiency Standards (For Low Rise Residential Buildings), Chapter 4 with “ <a href="http://www.energy.ca.gov/title24/2001standards/residential_manual/res_manual_chapter4.PDF">http://www.energy.ca.gov/title24/2001standards/residential_manual/res_manual_chapter4.PDF</a> ”
EQp2	298	Replace the existing web link for Energy Rating Systems (HERS) Required Verification and Diagnostic Testing, California Low Rise Residential Alternative Calculation Method Approval Manual with “ <a href="http://www.energy.ca.gov/title24/2001standards/residential_manual/res_manual_chapter4.PDF">http://www.energy.ca.gov/title24/2001standards/residential_manual/res_manual_chapter4.PDF</a> ”
EQp2	298	Remove the resource “What You Can Do About Secondhand Smoke as Parents, Decision Makers, and Building Occupants”. This article no longer exists.
EQc1	304	Under Submittal Documentation, change “prerequisite” to “credit”.
EQc2	308	Change the date of The Carbon Trust Good Practice Guide 237 to “(1999)” and replace the existing web link with “ <a href="http://www.carbontrust.co.uk/Publications/publicationdetail.htm?productid=GPG237&amp;metaNoCache=1">http://www.carbontrust.co.uk/Publications/publicationdetail.htm?productid=GPG237&amp;metaNoCache=1</a> ”.
EQc2	314	Under Building Air Quality Action Plan, replace the existing web link with “ <a href="http://www.epa.gov/iaq/largebldgs/#Building%20Air%20Quality%20Action%20Plan">http://www.epa.gov/iaq/largebldgs/#Building%20Air%20Quality%20Action%20Plan</a> ”.  Link does not work
EQc3.1	320	Under The State of Washington (SOW) Program and IAQ Standards, replace the existing web link with “ <a href="http://www.aerias.org/DesktopModules/ArticleDetail.aspx?articleId=85">http://www.aerias.org/DesktopModules/ArticleDetail.aspx?articleId=85</a> ”
EQc4.1	335	Under Green Seal Standard 36, replace the existing web link with “ <a href="http://www.greenseal.org/certification/standards/commercialadhesives.cfm">http://www.greenseal.org/certification/standards/commercialadhesives.cfm</a> ”.
EQc4.1	336	Under Green Seal Standard 36, replace the existing web link with “ <a href="http://www.greenseal.org/certification/standards/commercialadhesives.cfm">http://www.greenseal.org/certification/standards/commercialadhesives.cfm</a> ”.
EQc4.2	337	Under Requirements, add to the end of the first bullet point: “Primers must meet the VOC limit for non-flat paint.”
EQc4.2	337	In the second bullet under Requirements, replace “GC-03” with “GS-03” to fix the typographical error.
EQc4.2	337	In the third bullet under Requirements, add “The following list of SCAQMD VOC limits are examples. Refer to the standards for complete details.” After the last sentence and before the sub bullets.
EQc4.2	338	Under Green Seal Standard GS-11, replace the existing web link with “ <a href="http://www.greenseal.org/certification/standards/paints.cfm">http://www.greenseal.org/certification/standards/paints.cfm</a> ”.
EQc4.2	338	Under Green Seal Standards GC-03, replace the existing web link with <a href="http://www.greenseal.org/certification/standards/anti-corrosivepaints.cfm">http://www.greenseal.org/certification/standards/anti-corrosivepaints.cfm</a> .
EQc4.3	341	Under Potential Technologies and Strategies, replace the existing web link for Acceptable Emissions Testing for Carpet with “ <a href="http://www.cal-iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf">http://www.cal-iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf</a> ”.
EQc4.3	342	Under Testing Criteria, replace the existing web link with “ <a href="http://www.cal-iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf">http://www.cal-</a>

		<a href="http://iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf">iaq.org/VOC/Section01350_7_15_2004_FINAL_PLUS_ADDENDUM-2004-01.pdf</a> ".
EQc5	353	In the first sentence of the first bullet of the Requirements, delete "all" and add to the end of the sentence "and that serve as regular entry points for building users." Delete the last sentence under this same bullet ("Qualifying entry ways are those that serve as regular entry points for building users.")
EQc5	355	Under the first bullet in Submittal Documentation, replace "provided" with "specified/installed". Under the second bullet, replace "installed" with "specified/installed"
EQc5	356	Under Green Seal, replace the existing web link with " <a href="http://www.greenseal.org/findaproduct/index.cfm#cleaners">http://www.greenseal.org/findaproduct/index.cfm#cleaners</a> ".
EQc5	356	Under Janitorial Products Pollution Prevention Project, replace the existing web link with " <a href="http://www.westp2net.org/janitorial/jp4.cfm">http://www.westp2net.org/janitorial/jp4.cfm</a> ".
EQc6.1	360	Under Do Green Buildings Enhance the Well-Being of Workers? Yes, replace the existing web link with " <a href="http://www.edcmag.com/CDA/Archives/fb077b7338697010VgnVCM100000f932a8c0">http://www.edcmag.com/CDA/Archives/fb077b7338697010VgnVCM100000f932a8c0</a> ". At the end of the description add "This article requires free registration to Environmental Design + Construction."
EQc6.2	364	Under Do Green Buildings Enhance the Well-Being of Workers? Yes, replace the existing web link with " <a href="http://www.edcmag.com/CDA/Archives/fb077b7338697010VgnVCM100000f932a8c0">http://www.edcmag.com/CDA/Archives/fb077b7338697010VgnVCM100000f932a8c0</a> ". At the end of the description add "This article requires free registration to Environmental Design + Construction."
EQ7.2	369	Under the category and credit listing at the top tight hand side, add "1 point in addition to EQ credit 7.1" In order to attain credit 7.2, you must also attain credit 7.1
EQc8.1	380	Under The Art of Daylighting, replace the existing web link with " <a href="http://www.edcmag.com/CDA/Archives/10e5869a47697010VgnVCM100000f932a8c0">http://www.edcmag.com/CDA/Archives/10e5869a47697010VgnVCM100000f932a8c0</a> ". At the end of the description add "This article requires free registration to Environmental Design + Construction."
EQc8.1	380	Under New Buildings Institute's Productivity and Building Science Program, replace the existing web link with " <a href="http://newbuildings.org/lighting.htm">http://newbuildings.org/lighting.htm</a> ".
EQc8.1	380	Under The Whole Building Design Guide, Daylighting, replace the existing web link with " <a href="http://www.wbdg.org/design/daylighting.php">http://www.wbdg.org/design/daylighting.php</a> ".
EQc8.1	380	Under Lighting Controls, replace the existing web link with " <a href="http://www.wbdg.org/design/electriclighting.php">http://www.wbdg.org/design/electriclighting.php</a> ".

EQc8.2	387	Under New Buildings Institute's Productivity and Building Science Program, replace the existing web link with " <a href="http://newbuildings.org/lighting.htm">http://newbuildings.org/lighting.htm</a> ".
EQc8.2	387	Under The Art of Daylighting, replace the existing web link with <a href="http://www.edcmag.com/CDA/Archives/10e5869a47697010VgnVCM100000f932a8c0">http://www.edcmag.com/CDA/Archives/10e5869a47697010VgnVCM100000f932a8c0</a> ". At the end of the description add "This article requires free registration to Environmental Design + Construction."
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EQc8.2	387	Under Lighting Controls, replace the existing web link with " <a href="http://www.wbdg.org/design/electriclighting.php">http://www.wbdg.org/design/electriclighting.php</a> ".
Glossary	408	Under Net Metering, replace the existing web link with " <a href="http://www.eere.energy.gov/greenpower/markets/netmetering.shtml">http://www.eere.energy.gov/greenpower/markets/netmetering.shtml</a> ".