

The United States Green Building Council (USGBC) released the latest version of the LEED Rating System for New Construction & Major Renovations - LEED-NC v3. Since June 2009 all new LEED projects in the United States are required to comply to the latest LEED rating systems.

Below is a summary of the LEED-NC v3 credits to which LOGIX can potentially contribute. In total, LOGIX can potentially help to earn 27\* of the 40 points required to achieve LEED-NC certification. Under Building Reuse Credit, 4 additional points may apply to projects wherein ICFs, found in an existing building, are salvaged during de-construction and included in a new building constructed on the same site.

For information on the latest LEED Rating Systems see LOGIX Technical Bulletin No.17, "LEED 2009 Rating System - Major Differences Between v2.2 & v3" at [www.logixicf.com](http://www.logixicf.com) or visit [www.usgbc.gov](http://www.usgbc.gov).

**POTENTIAL LEED POINTS WITH LOGIX ICF: LEED-NC v3**

<b>Sustainable Sites</b>	<b>Points</b>	<b>Comments</b>
Site Development: Protect or Restore Habitat	1	<ul style="list-style-type: none"> <li>Although the points may not apply to LOGIX, wall bracing for LOGIX is one of a combination of actions that, together with other procedures, can result in proper protection or restoration of natural areas around the job site.</li> <li>LOGIX is typically placed within the building perimeter. This type of assembly avoids disturbance to existing natural areas and keeps construction activity close to the building perimeter.</li> </ul>

<b>Energy &amp; Atmosphere</b>	<b>Points</b>	<b>Comments</b>
Optimize Energy Performance	Up to 19	<p>Improved building energy can be enhanced by the combination of foam insulation and the thermal mass properties of the insulated concrete. LOGIX panels provide:</p> <ul style="list-style-type: none"> <li>high thermal resistance for a LOGIX wall system – R24 (35+ effective Rvalue). Larger Rvalues can be achieved when using LOGIX XRV or LOGIX Platinum Series (upto R77 can be achieved).</li> <li>reduction in the peak heating and cooling loads on the building</li> <li>air tight structure which reduces air leakage and energy use.</li> </ul>

<b>Materials &amp; Resources</b>	<b>Points</b>	<b>Comments</b>
Construction Waste Management: Divert 50% to 75% from Disposal	Up to 2	Any on-site waste can be fully recycled.
Recycled Content: 10% to 20% (post-consumer + 1/2 pre-consumer)	Up to 2	LOGIX foam panels are made from a maximum of 10% recycled EPS. The webs are made of 100% recycled polypropylene.
Regional Materials: 10% to 20% Extracted, Processed & Manufactured Regionally	Up to 2	LOGIX currently has 9 manufacturing facilities throughout North America. The concrete is obtained through local suppliers.
4 additional points may apply to projects wherein ICFs, found in an existing building, are salvaged during de-construction and included in a new building constructed on the same site. Under the Building Reuse Credit, points are achieved as follows: Maintain 55% to 95% of existing walls, floors and roofs (3 points); Maintain 50% of interior non-structural elements (1 point).		

Indoor Environmental Quality	Points	Comments
Minimum Indoor Air Quality Performance	n/a	Minimum Indoor Air Quality Performance is a pre-requisite under LEED. Therefore, there are no points to be achieved. However, LOGIX can still contribute to improved Minimum Indoor Air Quality Performance.
Thermal Comfort: Design	1	ICFs are air tight structures, which make air flow and ventilation easier to control and monitor. The end result is a healthier, comfortable environment for occupants, and a reduction in HVAC capacity.
<b>TOTAL LEED-NC V3*</b>	<b>27</b>	

\*The total LEED point contribution from LOGIX is a best estimate based on available information and test data. The actual LEED point contribution may change based on project specifics, and should be determined by a LEED Accredited Professional for each project seeking LEED accreditation.

Related articles:

- Technical Bulletin No.09: "LEED Rating System with Logix Insulated Concrete Forms"
- Technical Bulletin No.17: "LEED 2009 Rating System - Major Differences Between v2.2/v1.0 & LEED 2009"
- Technical Bulletin No.19: "LEED for Schools v3 - LOGIX Potential LEED Contribution"
- Technical Bulletin No.25: "LEED Canada for New Construction & Major Renovations 2009 - LOGIX Potential LEED Contribution"