



March 24, 2025

LEED v5 Webinar Arlington County and U.S. Green Building Council

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U.S. Green Building Council

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Agenda

- **12:15 – 12:45 pm** | LEED v5: Major Changes Project Teams Should Know
 - Overview: What's New in LEED v5
 - Spotlight: LEED v5 Credits and Prerequisites in the GBIP
 - LEED v5: Getting Started
- **12:45 - 1:00 pm** | Questions from Audience and Closing

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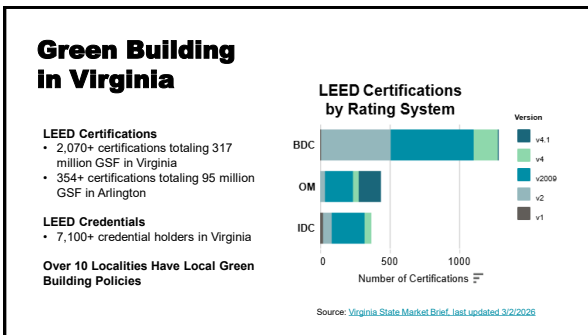
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WHAT IS NEW IN LEED v5?

BUILDING ON LEED'S LEGACY

While many of LEED's historical core tenants and strategies are found in LEED v5, there are several new offerings and systems designed to support building projects in achieving their goals.

- Fundamentally restructures around **carbon**
- Integrates **resilience** strategies throughout the credits
- Establishes **Platinum requirements** to ensure that projects earning LEED's highest rating are designed for or operate at low carbon
- Emphasizes key metrics to give projects the data they need for **impact reporting**
- Adopts a **5-year development cycle** to help projects predictably align LEED with their long-term goals
- Further aligns requirements and metrics between new construction and operations to capture a **building's lifecycle**
- Introduces a new **project priorities credit category** to tailor the scorecard toward each project's specific goals



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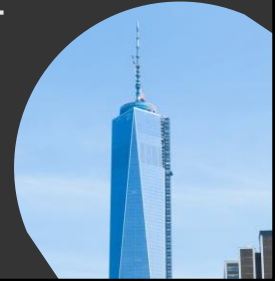
LEED v5 IS OUR MOST IMPACTFUL VERSION YET

ONE WORLD TRADE CENTER LEED GOLD NEW YORK, NY, USA

DECARBONIZATION drives the industry towards a decarbonized built environment across all major sources of emissions: operational, embodied, and transportation.

QUALITY OF LIFE uses human-centric strategies to address crucial aspects of sustainable building, including human health and well-being, resilience, and community well-being.

ECOLOGICAL CONSERVATION AND RESTORATION emphasizes strategies and actions that can be implemented at the individual asset level that limit environmental degradation and seek to rehabilitate and restore ecosystems.



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Green Building Policy in Virginia

<https://public-policies.usgbc.org/policies>



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Core Requirements for All GBIP Projects

*LEED Pathway

[Attachment 1 - 2025 Green Building Incentive Policy \(December 2025\)](#)

- 1 LEED v5 Gold or Platinum Certification*
- 2 Energy Optimization Performance Improvement
- 3 Baseline Prerequisites
- 4 ENERGY STAR Score 80-90 or LEED Site EUI Performance Verification
- 5 2-4 Items from Extra List

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LEED V5 PREREQUISITES

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LEED v5 NEW PREREQUISITES

NEW CONSTRUCTION

- 1 Climate Resilience Assessment
- 2 Human Impact Assessment
- 3 Carbon Assessment
- 4 Quantify and Assess Embodied Carbon

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LEED v5 PLATINUM REQUIREMENTS

NEW CONSTRUCTION

- 1 **EAc1: Electrification**
Five points required
- 2 **EAc3: Enhanced Energy Efficiency**
Eight points required
- 3 **EAc4: Renewable Energy**
100% of site energy use from any combination of Tier 1, Tier 2, and Tier 3 renewable energy
- 4 **MRC2: Reduce Embodied Carbon**
20% reduction in embodied carbon

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LEED V5 CREDITS FEATURED IN ARLINGTON COUNTY GBIP

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Key BD+C Credits

- Enhanced Energy Efficiency** (Option 2 Energy Simulation, Path 1)
 - Referenced in GBIP "Energy Optimization"
 - 18-24% performance improvement in future source energy
 - Additional 3% beyond minimum fulfills requirements for 1 extra list item in GBIP Appendix 2
- Renewable Energy** (1 point in Tier 2 or 3)
 - Referenced in GBIP Appendix 1 – Baseline Prerequisites
 - Additional points would fulfill requirements for 1 extra list item in GBIP Appendix 2
- Biodiverse Habitat** (Option 2, Bird-Friendly Glass)
 - Referenced in GBIP Appendix 1 – Baseline Prerequisites
- Enhanced Commissioning** (Path 2, Enhanced Commissioning for Building Enclosure)
 - 1 extra list item in GBIP Appendix 2
- Reduce Embodied Carbon** (Option 1)
 - 1 extra list item in GBIP Appendix 2

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LEED v5 BD+C: New Construction
Enhanced Energy Efficiency
Percent Improvement: PI below PI_r

LEED Points	Path 1, Efficiency only	Path 2, Including on-site renewable		
1	3%	10%		
2	6%	20%		
3	9%	30%		
4	12%	40%		
5	15%	50%		
GBIP				
0.25 FAR:	6	18%		
+3% Appendix 2	0.35 FAR:	7	21%	70%
LEED Platinum requirement				
0.45 FAR:	8	24%	80%	
	9	27%	90%	
	10	30%	100%	

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LEED Minimum Energy Efficiency Requirements

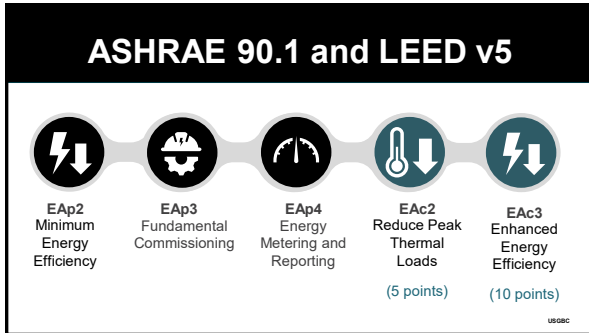
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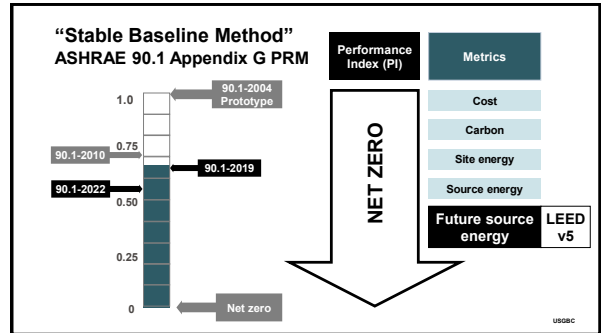
GBIP 0.25 FAR requirements

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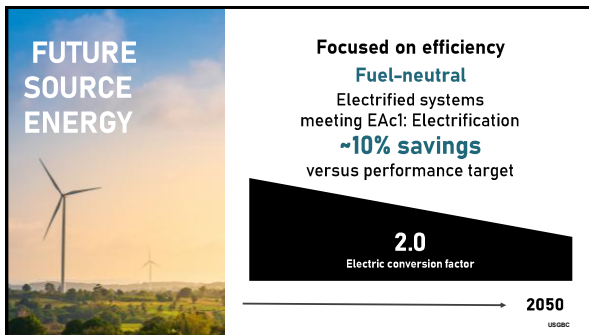
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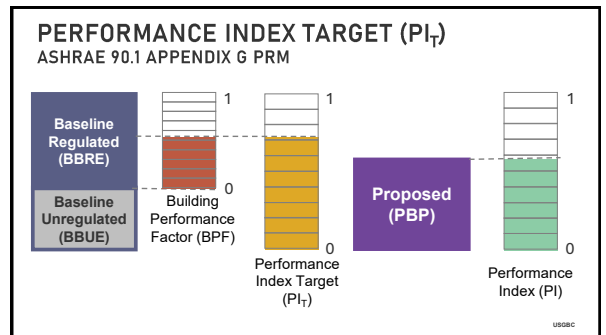
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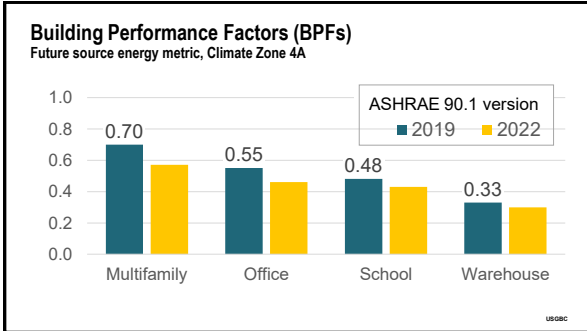
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LEED v5 Renewable Energy EAc4

1-5 points

Encourages the use of renewable energy and reduction of fossil fuels

Install or procure a renewable energy supply

- Tier 1:** On-site or social impact project (5)
GBIP Appendix 1 prerequisite alternative:
2.0 W/ft² roof area
LEED: 1.0 - 2.0 W/ft² floor area for 3 largest floors (1-2 points)
- Tier 2:** New off-site electricity (5)
App 1 prereq: 1 point (20% for 10 yrs)
App 2 extras: 2 points (40% for 10 yrs)
- Tier 3:** Off-site (2)
App 1 prereq alternative - 1 point (50%)
App 2 extras: 2 points (100% for 10 yrs)

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SSc1: Biodiverse Habitat Option 2, Bird-Friendly Glass

GBIP Appendix 1 Prerequisite

Avoid Avian Collisions

- American Bird Conservancy Material Threat Factor ≤ 30
- Scope: Glass (including spandrel) first 50 ft above grade or 20 ft below green-roof

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LEED v5 Enhanced Cx Building Enclosure (1 point)

GBIP Appendix 2 extra


Required field testing:

- Building Air Leakage Testing**
Low air leakage also GBIP Appendix 2 extra and EAc2: Reduce Peak thermal Loads credit
- Water Penetration Testing**
- Infrared Imaging**

4 Roots Campus | Photo: Little Architecture

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LEED v5 Electrification EAc1

1-5 points (BD+C/ID+C)
1-4 points (CS)

Encourages buildings to move away from burning fossil fuels on-site

- **Option 1** No on-site combustion (5)
- **Option 2** No on-site combustion except at low temperatures for:
 - Space heating (2)
 - Service water heating (1)
 - Cooking and other process loads (1 or up to 2 for ID+C)

GBIP Appendix 2 extras: No combustion in domestic water heating and ventilation for multifamily and hotel


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LEED v4 AND v4.1 TRANSITION DATES

LEED VERSION	LEED RATING SYSTEM	REGISTRATION CLOSE	CERTIFICATION SUNSET
LEED v4	Building Design and Construction (BD+C)	6/30/2026	6/30/2032
	Interior Design and Construction (ID+C)		
	Operations and Maintenance (O+M)		
LEED v4	O+M Recertification	6/30/2026	6/30/2032
LEED v4.1	Building Design and Construction (BD+C)	6/30/2026	6/30/2032
	Interior Design and Construction (ID+C)		
	Operations and Maintenance (O+M)		
LEED v4.1	O+M Recertification	6/30/2027	6/30/2032

MORE DETAILS AVAILABLE HERE:




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HOW TO GET STARTED WITH LEED v5


FIRST STOP:
usgbc.org

The LEED v5 page on the USGBC website provides rating system documents and additional tools.




LEED v5 FAQs

Find out more about LEED v5 in the FAQ section of the Help Center.




EDUCATION COURSES

Access on-demand green building courses and live events related specifically to LEED v5.



CONNECT WITH AN EXPERT

Finally, the Contact Us form provides a direct line to the Technical Customer Service team of LEED experts, who are prepared to dig into more detailed solutions.



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USGBC Organizational Membership



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