

Brought to you by



LEED v5: Taking Action on Climate, Quality of Life, and Ecology

Presented By:

Rachel Nicely, Sustainable Building Partners

Ryan Snow, USGBC



Montgomery County Energy Summit





Ryan Snow

Regional Director

U.S. Green Building Council

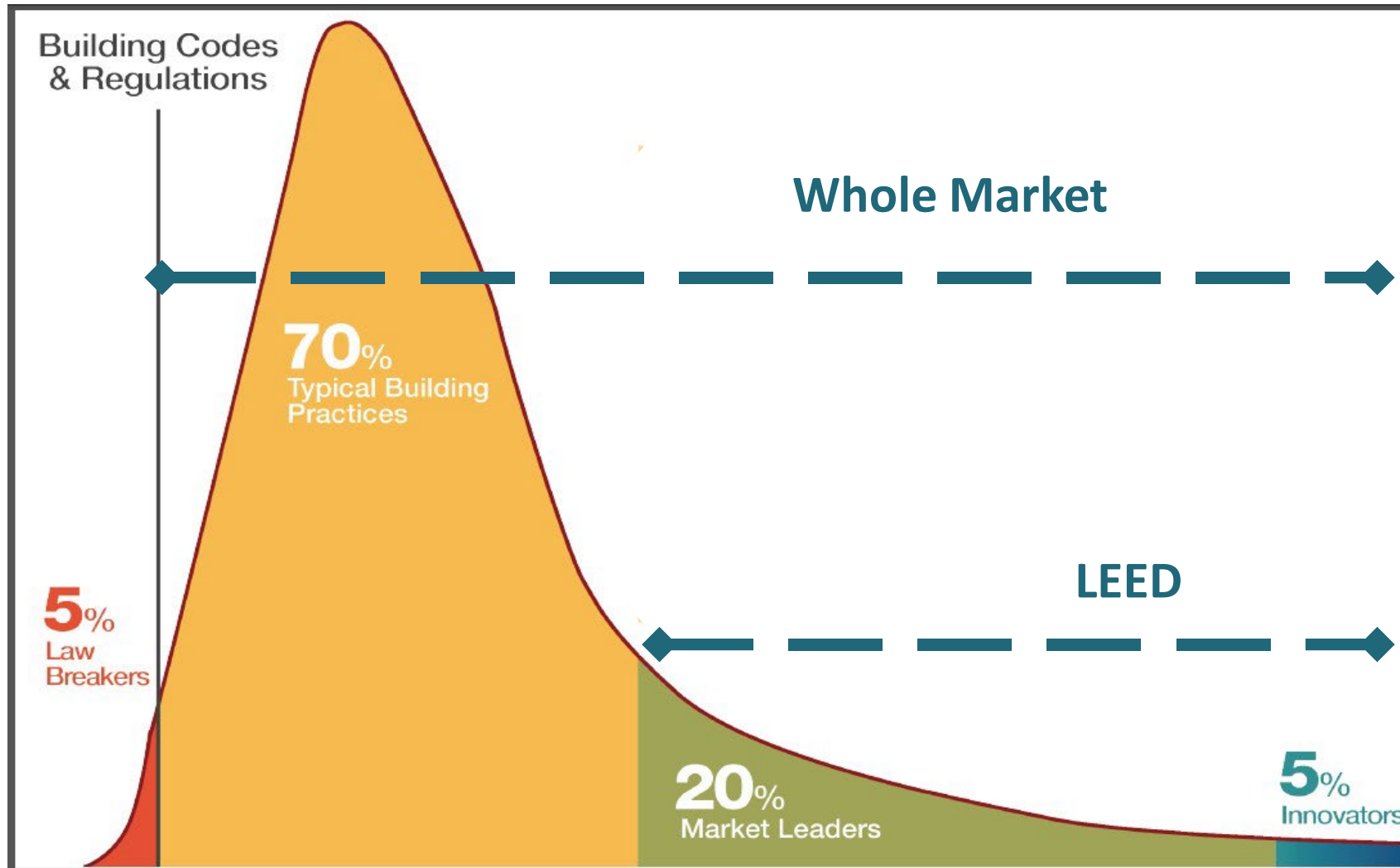


Rachel Nicely

Director, Sustainable Programs
Sustainable Building Partners
LEED Technical Committee

LEED

MARKET TRANSFORMATION



LEED is built by the market, used by the market, and advanced by the market.

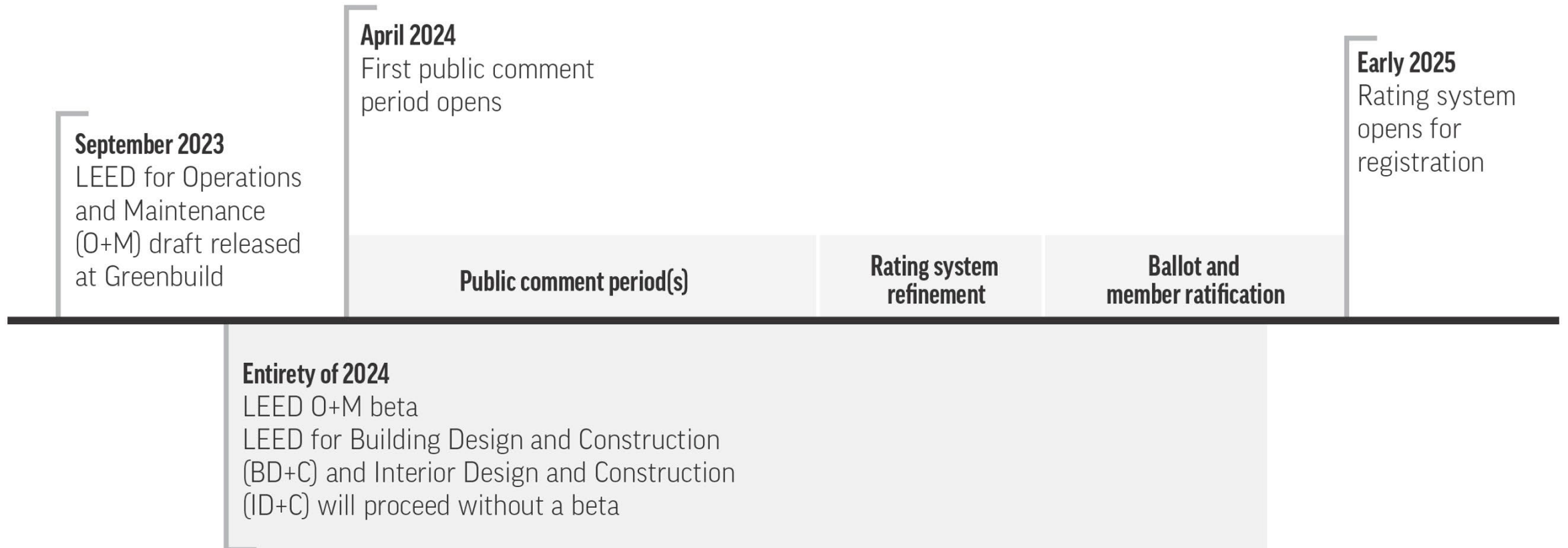


LEED **V5**

A market ready rating system that will drive the built environment toward a low carbon future that is equitable, resilient, and promotes the wise, safe utilization of all resources.



LEED v5 DEVELOPMENT TIMELINE



The cycle of LEED rating system updates will now be once every 5 years.



Strategic evolution of LEED

The LEED program is being updated to provide greater flexibility for projects and more opportunity to evolve rating system requirements in response to a rapidly changing market.

Moving to a five-year development cycle

provides increased predictability for the market. This cadence will start with the 2025 release of the balloted LEED v5 rating systems.

Continuity across the building life cycle

by aligning performance indicators and data needs from design and construction to operations and maintenance through performance monitoring.

New requirements for Platinum certification

have been created addressing energy efficiency, carbon emissions and renewable energy use.

Strategic evolution of the user experience

with a new dynamic digital interface, as well as tools and resources to provide flexibility for projects and evolve rating system requirements.

Integrative Process, Planning & Assessment

PREREQUISITES:

- Carbon Assessment
- Climate Resilience Assessment
- Social Equity Assessment

CREDIT:

- Integrative Design Process

Project Priorities & Innovation

- Regional & Local Priorities
- Project Type Priorities
- Exemplary Focus
- Pilot Credits
- Innovative Strategies
- LEED Accredited Professional

Operations and Maintenance

Position every building on a path to improved performance while maintaining the pursuit of market transformation and leadership.

How we get there:

- Provide education and leadership in a critical time
- Establish a roadmap of actionable and transformational criteria, and a plan for improvement over time.
- Achieve certification through measurable building performance.
- Reward existing buildings that start down the path toward decarbonization by creating strategic long-term plans and taking immediate steps.



LEED v5 Operations + Maintenance: Existing Buildings

Integrative Process, Planning & Assessments 4

Prereq	Operations Assessment: Climate Action, Quality of Life and Ecological Conservation and Restoration	Required
Credit	Operational Planning and Response for Resilience	2
Credit	Equity within Operations and Maintenance Staff	2

Location and Transportation 10

Credit	Sustainable Transportation Performance	10
--------	--	----

Sustainable Sites 4

Credit	Rainwater Management	2
Credit	Heat Island Reduction	1
Credit	Light Pollution and Bird Collision Reduction	1

Water Efficiency 14

Prereq	Water Metering & Reporting	Required
Credit	Water Performance	14

Energy and Atmosphere 37

Prereq	Energy, Carbon & Operations Foundations	Required
Credit	Decarbonization and Efficiency Plans	5
Credit	GHG Emissions Reduction	12
Credit	Refrigerant Impact Reduction	2
Credit	Grid Interactive	4
Credit	Energy Performance and Commissioning	14

Materials and Resources 11

Credit	Waste Performance	9
Credit	Embodied Carbon of Interior Materials During Renovations	2

Indoor Environmental Quality 20

Prereq	Verification of Ventilation and Filtration	Required
Prereq	No Smoking	Required
Credit	Indoor Air Quality Performance	12
Credit	Occupant Satisfaction Survey	3
Credit	Green Cleaning	3
Credit	Integrated Pest Management	2

Project Priorities & Innovation 10

Credit	Project Priorities	10
--------	--------------------	----

Total	Possible Points:	110
--------------	-------------------------	------------

LEED v5 Operations + Maintenance: Existing Buildings

Decarbonization		
IP Prereq	Operations Assessment: Climate Action, Quality of Life and Ecological Conservation and Restoration	Required
LT Credit	Sustainable Transportation Performance	10
SS Credit	Heat Island Reduction	1
WE Credit	Water Performance	14
EA Prereq	Energy, Carbon & Operations Foundations	Required
EA Credit	Decarbonization and Efficiency Plans	5
EA Credit	GHG Emissions Reduction	12
EA Credit	Refrigerant Impact Reduction	2
EA Credit	Grid Interactive	4
EA Credit	Energy Performance and Commissioning	14
MR Credit	Waste Performance	9
MR Credit	Embodied Carbon of Interior Materials During Renovations	2

Quality of Life		
IP Prereq	Operations Assessment: Climate Action, Quality of Life and Ecological Conservation and Restoration	Required
IP Credit	Operational Planning and Response for Resilience	2
IP Credit	Equity within Operations and Maintenance Staff	2
LT Credit	Sustainable Transportation Performance	10
SS Credit	Heat Island Reduction	1
EQ Prereq	Verification of Ventilation and Filtration	Required
EQ Prereq	No Smoking	Required
EQ Credit	Indoor Air Quality Performance	12
EQ Credit	Occupant Satisfaction Survey	3
EQ Credit	Green Cleaning	3
EQ Credit	Integrated Pest Management	2

Ecosystem Preservation and Restoration		
IP Prereq	Operations Assessment: Climate Action, Quality of Life and Ecological Conservation and Restoration	Required
LT Credit	Sustainable Transportation Performance	10
SS Credit	Rainwater Management	2
SS Credit	Heat Island Reduction	1
SS Credit	Light Pollution and Bird Collision Reduction	1
WE Prereq	Water Metering & Reporting	Required
WE Credit	Water Performance	14
MR Credit	Waste Performance	9
EQ Credit	Integrated Pest Management	2



Impact Areas

- **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, equity and inclusion, and community wellbeing.
- **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.



DECARBONIZATION

LEED v5 provides a clear framework for delivering ultra-low carbon buildings.

All major sources of carbon are addressed:

- **Operational carbon**
 - Energy efficiency
 - Electrification
 - Reduced peak loads
 - Renewable energy
 - Refrigerants
- **Embodied carbon**
 - Structure and enclosure, products
- **Transportation**
 - Compact, connected, transit-orient, TDM, electric vehicles



QUALITY OF LIFE

Buildings can enhance Quality of Life by taking actions that enhance resilience, equity, health and user experience.

Those actions include:

- Creating more adaptable and resilient projects in the face of increasing and variable risks and hazards from a changing climate.
- Emphasizing and enhancing elements of the rating system that support equity and inclusivity.
- Enhancing occupant experience and facilitating better outcomes, productivity, and satisfaction.
- Health is prioritized with key prerequisites and credits reflecting evolved best practices and opportunities to promote occupant and community wellbeing



ECOLOGICAL PRESERVATION AND RESTORATION

LEED v5 emphasizes strategies and actions that can be implemented at the individual asset level to limit environmental degradation and contribute towards restoration of ecosystems.

- Rewarding more sustainable development practices to reduce the impact of where and how we build.
- Driving projects to both protect the remaining healthy ecosystems and to rehabilitate damaged ecosystems.
- Mitigating climate change and championing climate resilient solutions that can protect ecosystems from adverse climate impacts.

LEED v5 PUBLIC COMMENT 1

April 3–May 20, 2024



QUESTIONS & DISCUSSION

Upcoming Webinars

- A guide to LEED v5: Overview and addressing decarbonization April 15th, 8:00 am & 1:00 pm ET
- LEED v5: Quality of life and ecosystem conservation & restoration April 23rd, 8:00 am ET & 1:00 pm ET

SAVE THE DATES



Greenbuild + IWBC

November 12-15, 2024
Pennsylvania Convention Center
Philadelphia, PA



Greenbuild | International
Conference + Expo

[GREENBUILDEXPO.COM](https://www.greenbuildexpo.com)
#GREENBUILD