About USGBC and LEED

LEED®
Core Concepts
Guide

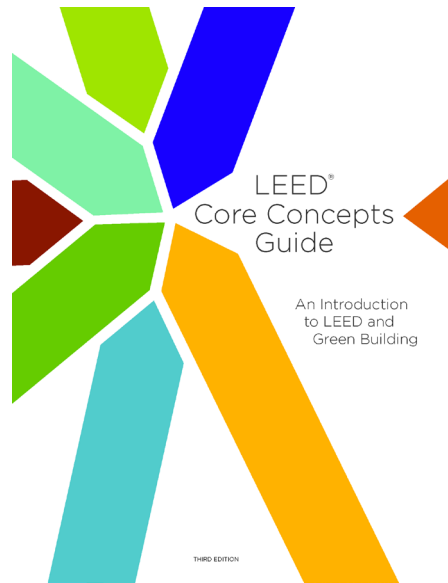An Introduction
to LEED and
Green Building

THIRD EDITION

U.S. Green Building Council (USGBC)   http://usgbc.org

The U.S. Green Building Council (USGBC) is committed to transforming the way our buildings are designed, constructed and operated through LEED — the top third-party verification system for sustainable structures around the world.

"

USGBC's Vision

Buildings and communities will regenerate and sustain the health and vitality of all life within a generation.

"

Advocacy

USGBC is accelerating the uptake of policies and initiatives that enable and encourage market transformation toward a sustainable built environment.

SELF ADVOCACY

I CAN SPEAK UP FOR MYSELF

INDIVIDUAL ADVOCACY

I SPEAK UP ON BEHALF OF ANOTHER

SYSTEMATIC ADVOCACY

WE SPEAK ON BEHALF OF THOSE WHO CAN'T SPEAK FOR THEMSELVES

Community

USGBC is a movement of community leaders, professionals, businesses, and innovators working to accomplish a single bold vision: healthy, efficient and equitable buildings and communities for all.
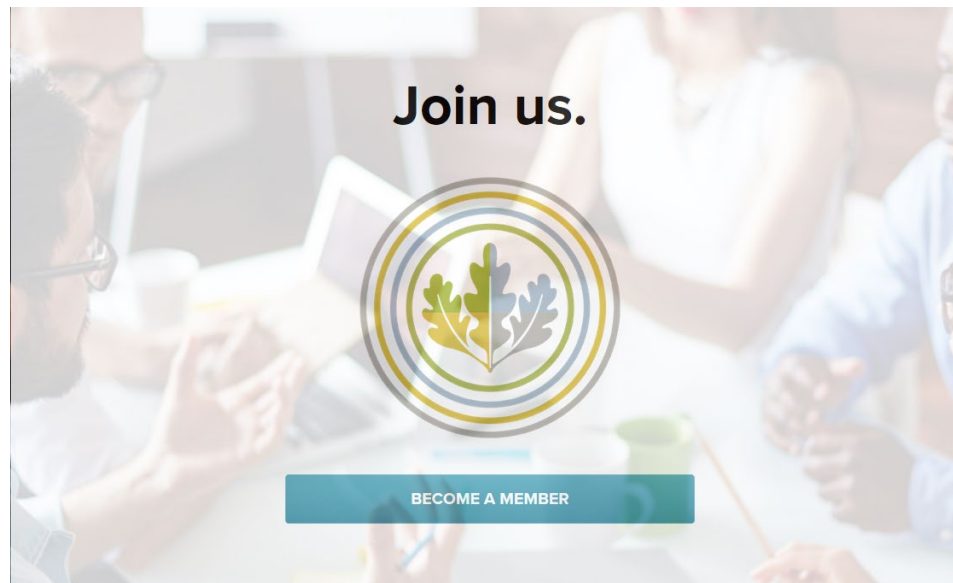
Community

USGBC community membership

For individuals, USGBC communities provide local opportunities for active involvement and leadership through learning, networking and other professional development activities.

Communities also raise awareness of green building through outreach and advocacy in that area. Find your local USGBC community.

Community

USGBC national membership

For companies and organizations, USGBC national membership is offered at four levels: Organizational, Silver, Gold and Platinum.

We understand every organization has different needs, so we provide every member with the same core benefits and the flexibility to choose the package best suited to your organization.

Education

http://www.usgbc.org/education-at-usgbc
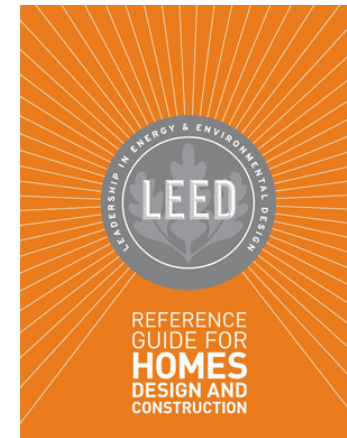
Greenbuild International Conference and Expo
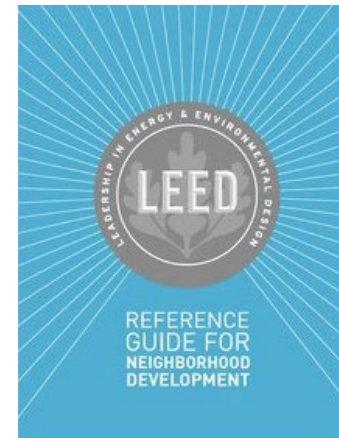https://greenbuildexpo.com

LEED Green Building Program

USGBC's **Leadership in Energy and Environmental Design (LEED)** program is a third-party green building certification program.
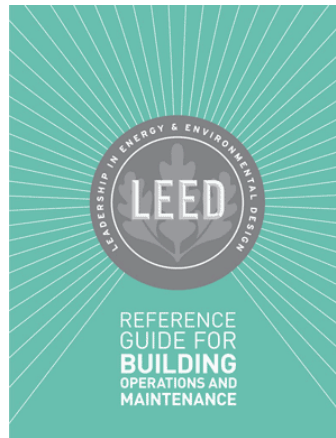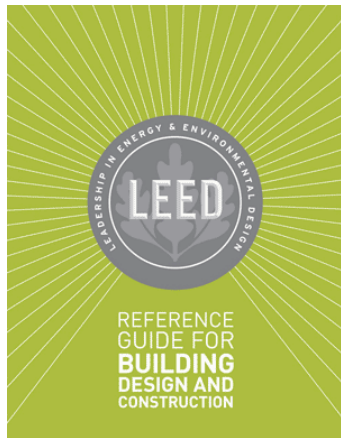
All buildings in. LEED is flexible enough to apply to all project types.

LEED was developed to address all buildings everywhere, regardless of where they are in their life cycle.

From hospitals to data centers, from historical buildings to those still in the design phase, there is a LEED for every building.

LEED FOR Building Design and Construction

LEED BD+C: New Construction
LEED BD+C: Core and Shell
LEED BD+C: Schools
LEED BD+C: Retail
LEED BD+C: Healthcare
LEED BD+C: Data Centers
LEED BD+C: Hospitality
LEED BD+C: Warehouses and Distribution Centers
LEED BD+C: Homes
LEED BD+C: Multifamily Midrise

Adaptations

LEED FOR Interior Design and Construction

LEED ID+C: Commercial Interiors
LEED ID+C: Retail
LEED ID+C: Hospitality

LEED FOR Building Operations and Maintenance

LEED O+M: Existing Buildings
LEED O+M: Data Centers
LEED O+M: Warehouses and Distribution Centers
LEED O+M: Hospitality
LEED O+M: Schools
LEED O+M: Retail

## LEED FOR Neighborhood Development

LEED ND: Plan
LEED ND: Built Project

LEED Rating Systems

USGBC's Leadership in Energy and Environmental Design (LEED) program is a third-party green building certification program and an international symbol of excellence in the design, construction, and operation of high-performance green buildings and neighborhoods.

It encourages and accelerates adoption of sustainable building and community development practices through the creation and implementation of a green building benchmark that is voluntary, consensus based, and market driven.

Rating System Structure

Prerequisites

❑ Required elements or green building strategies that must be included in any LEED-certified project.

❑ Establish a minimum level of sustainability.

Credits

❑ Optional elements—strategies that projects can elect to pursue to gain points toward LEED certification.

Rating System Structure

Achieving LEED certification requires:
- ❑ Meet the Minimum Program Requirements (MPRs)
- ❑ Satisfy all prerequisites
- ❑ Earn a minimum number of credits for the desired level of certification

CERTIFIED
40 - 49 POINTS

SILVER
50 - 59 POINTS

GOLD
60 - 79 POINTS

PLATINIUM
80+ POINTS

LEED v4 for BD+C: New Construction and Major Renovation
Project Checklist

Project Name:
Date:

Y	?	N			
			Credit	Integrative Process	1

Y	?	N				
0	0	0	**Location and Transportation**			**16**
			Credit	LEED for Neighborhood Development Location		16
			Credit	Sensitive Land Protection		1
			Credit	High Priority Site		2
			Credit	Surrounding Density and Diverse Uses		5
			Credit	Access to Quality Transit		5
			Credit	Bicycle Facilities		1
			Credit	Reduced Parking Footprint		1
			Credit	Green Vehicles		1

Y	?	N				
0	0	0	**Sustainable Sites**			**10**
Y			Prereq	Construction Activity Pollution Prevention		Required
			Credit	Site Assessment		1
			Credit	Site Development - Protect or Restore Habitat		2
			Credit	Open Space		1
			Credit	Rainwater Management		3
			Credit	Heat Island Reduction		2
			Credit	Light Pollution Reduction		1

Y	?	N				
0	0	0	**Water Efficiency**			**11**
Y			Prereq	Outdoor Water Use Reduction		Required
Y			Prereq	Indoor Water Use Reduction		Required
Y			Prereq	Building-Level Water Metering		Required
			Credit	Outdoor Water Use Reduction		2
			Credit	Indoor Water Use Reduction		6
			Credit	Cooling Tower Water Use		2
			Credit	Water Metering		1

Y	?	N				
0	0	0	**Energy and Atmosphere**			**33**
Y			Prereq	Fundamental Commissioning and Verification		Required
Y			Prereq	Minimum Energy Performance		Required
Y			Prereq	Building-Level Energy Metering		Required
Y			Prereq	Fundamental Refrigerant Management		Required
			Credit	Enhanced Commissioning		6
			Credit	Optimize Energy Performance		18
			Credit	Advanced Energy Metering		1
			Credit	Demand Response		2
			Credit	Renewable Energy Production		3
			Credit	Enhanced Refrigerant Management		1
			Credit	Green Power and Carbon Offsets		2

Y	?	N				
0	0	0	**Materials and Resources**			**13**
Y			Prereq	Storage and Collection of Recyclables		Required
Y			Prereq	Construction and Demolition Waste Management Planning		Required
			Credit	Building Life-Cycle Impact Reduction		5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations		2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials		2
			Credit	Building Product Disclosure and Optimization - Material Ingredients		2
			Credit	Construction and Demolition Waste Management		2

Y	?	N				
0	0	0	**Indoor Environmental Quality**			**16**
Y			Prereq	Minimum Indoor Air Quality Performance		Required
Y			Prereq	Environmental Tobacco Smoke Control		Required
			Credit	Enhanced Indoor Air Quality Strategies		2
			Credit	Low-Emitting Materials		3
			Credit	Construction Indoor Air Quality Management Plan		1
			Credit	Indoor Air Quality Assessment		2
			Credit	Thermal Comfort		1
			Credit	Interior Lighting		2
			Credit	Daylight		3
			Credit	Quality Views		1
			Credit	Acoustic Performance		1

Y	?	N				
0	0	0	**Innovation**	**Bonus Categories**		**6**
			Credit	Innovation		5
			Credit	LEED Accredited Professional		1

Y	?	N				
0	0	0	**Regional Priority**			**4**
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1

0	0	0	**TOTALS**	Possible Points:	**110**

Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110

100 Base Points + 10 Bonus Points

Green Practices

LEED v4 for BD+C: Core and Shell
Project Checklist

Project Name:
Date:

Y	?	N				
			Credit	Integrative Process		**1**

Y	?	N				
0	**0**	**0**		**Location and Transportation**		**20**
			Credit	LEED for Neighborhood Development Location		20
			Credit	Sensitive Land Protection		2
			Credit	High Priority Site		3
			Credit	Surrounding Density and Diverse Uses		6
			Credit	Access to Quality Transit		6
			Credit	Bicycle Facilities		1
			Credit	Reduced Parking Footprint		1
			Credit	Green Vehicles		1

Y	?	N				
0	**0**	**0**		**Sustainable Sites**		**11**
Y			Prereq	Construction Activity Pollution Prevention		Required
			Credit	Site Assessment		1
			Credit	Site Development - Protect or Restore Habitat		2
			Credit	Open Space		1
			Credit	Rainwater Management		3
			Credit	Heat Island Reduction		2
			Credit	Light Pollution Reduction		1
			Credit	Tenant Design and Construction Guidelines		1

Y	?	N				
0	**0**	**0**		**Water Efficiency**		**11**
Y			Prereq	Outdoor Water Use Reduction		Required
Y			Prereq	Indoor Water Use Reduction		Required
Y			Prereq	Building-Level Water Metering		Required
			Credit	Outdoor Water Use Reduction		2
			Credit	Indoor Water Use Reduction		6
			Credit	Cooling Tower Water Use		2
			Credit	Water Metering		1

Y	?	N				
0	**0**	**0**		**Energy and Atmosphere**		**33**
Y			Prereq	Fundamental Commissioning and Verification		Required
Y			Prereq	Minimum Energy Performance		Required
Y			Prereq	Building-Level Energy Metering		Required
Y			Prereq	Fundamental Refrigerant Management		Required
			Credit	Enhanced Commissioning		6
			Credit	Optimize Energy Performance		18
			Credit	Advanced Energy Metering		1
			Credit	Demand Response		2
			Credit	Renewable Energy Production		3
			Credit	Enhanced Refrigerant Management		1
			Credit	Green Power and Carbon Offsets		2

Y	?	N				
0	**0**	**0**		**Materials and Resources**		**14**
Y			Prereq	Storage and Collection of Recyclables		Required
Y			Prereq	Construction and Demolition Waste Management Planning		Required
			Credit	Building Life-Cycle Impact Reduction		6
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations		2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials		2
			Credit	Building Product Disclosure and Optimization - Material Ingredients		2
			Credit	Construction and Demolition Waste Management		2

Y	?	N				
0	**0**	**0**		**Indoor Environmental Quality**		**10**
Y			Prereq	Minimum Indoor Air Quality Performance		Required
Y			Prereq	Environmental Tobacco Smoke Control		Required
			Credit	Enhanced Indoor Air Quality Strategies		2
			Credit	Low-Emitting Materials		3
			Credit	Construction Indoor Air Quality Management Plan		1
			Credit	Daylight		3
			Credit	Quality Views		1

Y	?	N				
0	**0**	**0**		**Innovation**		**6**
			Credit	Innovation		5
			Credit	LEED Accredited Professional		1

Y	?	N				
0	**0**	**0**		**Regional Priority**		**4**
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1

Y	?	N			
0	**0**	**0**	**TOTALS**	Possible Points:	**110**

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

Green Practices

LEED v4 for BD+C: Schools
Project Checklist

Project Name:
Date:

Y	?	N				
			Credit	Integrative Process		**1**

0	0	0	**Location and Transportation**			**15**
			Credit	LEED for Neighborhood Development Location		15
			Credit	Sensitive Land Protection		1
			Credit	High Priority Site		2
			Credit	Surrounding Density and Diverse Uses		5
			Credit	Access to Quality Transit		4
			Credit	Bicycle Facilities		1
			Credit	Reduced Parking Footprint		1
			Credit	Green Vehicles		1

0	0	0	**Sustainable Sites**			**12**
Y			Prereq	Construction Activity Pollution Prevention		Required
Y			Prereq	Environmental Site Assessment		Required
			Credit	Site Assessment		1
			Credit	Site Development - Protect or Restore Habitat		2
			Credit	Open Space		1
			Credit	Rainwater Management		3
			Credit	Heat Island Reduction		2
			Credit	Light Pollution Reduction		1
			Credit	Site Master Plan		1
			Credit	Joint Use of Facilities		1

0	0	0	**Water Efficiency**			**12**
Y			Prereq	Outdoor Water Use Reduction		Required
Y			Prereq	Indoor Water Use Reduction		Required
Y			Prereq	Building-Level Water Metering		Required
			Credit	Outdoor Water Use Reduction		2
			Credit	Indoor Water Use Reduction		7
			Credit	Cooling Tower Water Use		2
			Credit	Water Metering		1

0	0	0	**Energy and Atmosphere**			**31**
Y			Prereq	Fundamental Commissioning and Verification		Required
Y			Prereq	Minimum Energy Performance		Required
Y			Prereq	Building-Level Energy Metering		Required
Y			Prereq	Fundamental Refrigerant Management		Required
			Credit	Enhanced Commissioning		6
			Credit	Optimize Energy Performance		16
			Credit	Advanced Energy Metering		1
			Credit	Demand Response		2
			Credit	Renewable Energy Production		3
			Credit	Enhanced Refrigerant Management		1
			Credit	Green Power and Carbon Offsets		2

0	0	0	**Materials and Resources**			**13**
Y			Prereq	Storage and Collection of Recyclables		Required
Y			Prereq	Construction and Demolition Waste Management Planning		Required
			Credit	Building Life-Cycle Impact Reduction		5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations		2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials		2
			Credit	Building Product Disclosure and Optimization - Material Ingredients		2
			Credit	Construction and Demolition Waste Management		2

0	0	0	**Indoor Environmental Quality**			**16**
Y			Prereq	Minimum Indoor Air Quality Performance		Required
Y			Prereq	Environmental Tobacco Smoke Control		Required
Y			Prereq	Minimum Acoustic Performance		Required
			Credit	Enhanced Indoor Air Quality Strategies		2
			Credit	Low-Emitting Materials		3
			Credit	Construction Indoor Air Quality Management Plan		1
			Credit	Indoor Air Quality Assessment		2
			Credit	Thermal Comfort		1
			Credit	Interior Lighting		2
			Credit	Daylight		3
			Credit	Quality Views		1
			Credit	Acoustic Performance		1

0	0	0	**Innovation**			**6**
			Credit	Innovation		5
			Credit	LEED Accredited Professional		1

0	0	0	**Regional Priority**			**4**
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1

0	0	0	**TOTALS**	Possible Points:	**110**

Certified: 40 to 49 points,   **Silver:** 50 to 59 points,   **Gold:** 60 to 79 points,   **Platinum:** 80 to 110

Green Practices

LEED v4 for BD+C: Retail
Project Checklist

Project Name:
Date:

Y	?	N			
			Credit	Integrative Process	1

0	0	0	**Location and Transportation**		**16**
			Credit	LEED for Neighborhood Development Location	16
			Credit	Sensitive Land Protection	1
			Credit	High Priority Site	2
			Credit	Surrounding Density and Diverse Uses	5
			Credit	Access to Quality Transit	5
			Credit	Bicycle Facilities	1
			Credit	Reduced Parking Footprint	1
			Credit	Green Vehicles	1

0	0	0	**Sustainable Sites**		**10**
Y			Prereq	Construction Activity Pollution Prevention	Required
			Credit	Site Assessment	1
			Credit	Site Development - Protect or Restore Habitat	2
			Credit	Open Space	1
			Credit	Rainwater Management	3
			Credit	Heat Island Reduction	2
			Credit	Light Pollution Reduction	1

0	0	0	**Water Efficiency**		**12**
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
			Credit	Outdoor Water Use Reduction	2
			Credit	Indoor Water Use Reduction	7
			Credit	Cooling Tower Water Use	2
			Credit	Water Metering	1

0	0	0	**Energy and Atmosphere**		**33**
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
			Credit	Enhanced Commissioning	6
			Credit	Optimize Energy Performance	18
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
			Credit	Renewable Energy Production	3
			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

0	0	0	**Materials and Resources**		**13**
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
			Credit	Building Life-Cycle Impact Reduction	5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
			Credit	Construction and Demolition Waste Management	2

0	0	0	**Indoor Environmental Quality**		**15**
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
			Credit	Enhanced Indoor Air Quality Strategies	2
			Credit	Low-Emitting Materials	3
			Credit	Construction Indoor Air Quality Management Plan	1
			Credit	Indoor Air Quality Assessment	2
			Credit	Thermal Comfort	1
			Credit	Interior Lighting	2
			Credit	Daylight	3
			Credit	Quality Views	1

0	0	0	**Innovation**		**6**
			Credit	Innovation	5
			Credit	LEED Accredited Professional	1

0	0	0	**Regional Priority**		**4**
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

0	0	0	**TOTALS**	Possible Points:	**110**

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

LEED v4 for BD+C: Data Centers
Project Checklist

Project Name:
Date:

Y	?	N			
			Credit	Integrative Process	1

0	0	0	**Location and Transportation**		16
			Credit	LEED for Neighborhood Development Location	16
			Credit	Sensitive Land Protection	1
			Credit	High Priority Site	2
			Credit	Surrounding Density and Diverse Uses	5
			Credit	Access to Quality Transit	5
			Credit	Bicycle Facilities	1
			Credit	Reduced Parking Footprint	1
			Credit	Green Vehicles	1

0	0	0	**Sustainable Sites**		10
Y			Prereq	Construction Activity Pollution Prevention	Required
			Credit	Site Assessment	1
			Credit	Site Development - Protect or Restore Habitat	2
			Credit	Open Space	1
			Credit	Rainwater Management	3
			Credit	Heat Island Reduction	2
			Credit	Light Pollution Reduction	1

0	0	0	**Water Efficiency**		11
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
			Credit	Outdoor Water Use Reduction	2
			Credit	Indoor Water Use Reduction	6
			Credit	Cooling Tower Water Use	2
			Credit	Water Metering	1

0	0	0	**Energy and Atmosphere**		33
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
			Credit	Enhanced Commissioning	6
			Credit	Optimize Energy Performance	18
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
			Credit	Renewable Energy Production	3
			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

0	0	0	**Materials and Resources**		13
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
			Credit	Building Life-Cycle Impact Reduction	5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declaration	2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
			Credit	Construction and Demolition Waste Management	2

0	0	0	**Indoor Environmental Quality**		16
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
			Credit	Enhanced Indoor Air Quality Strategies	2
			Credit	Low-Emitting Materials	3
			Credit	Construction Indoor Air Quality Management Plan	1
			Credit	Indoor Air Quality Assessment	2
			Credit	Thermal Comfort	1
			Credit	Interior Lighting	2
			Credit	Daylight	3
			Credit	Quality Views	1
			Credit	Acoustic Performance	1

0	0	0	**Innovation**		6
			Credit	Innovation	5
			Credit	LEED Accredited Professional	1

0	0	0	**Regional Priority**		4
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

0	0	0	**TOTALS**	Possible Points:	110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

Gr...ractices

LEED v4 for BD+C: Warehouses and Distribution Centers
Project Checklist

Project Name:
Date:

Y	?	N			
			Credit	Integrative Process	1

Y	?	N				
0	0	0		**Location and Transportation**		**16**
			Credit	LEED for Neighborhood Development Location	16
			Credit	Sensitive Land Protection	1
			Credit	High Priority Site	2
			Credit	Surrounding Density and Diverse Uses	5
			Credit	Access to Quality Transit	5
			Credit	Bicycle Facilities	1
			Credit	Reduced Parking Footprint	1
			Credit	Green Vehicles	1

Y	?	N				
0	0	0		**Sustainable Sites**		**10**
Y			Prereq	Construction Activity Pollution Prevention	Required
			Credit	Site Assessment	1
			Credit	Site Development - Protect or Restore Habitat	2
			Credit	Open Space	1
			Credit	Rainwater Management	3
			Credit	Heat Island Reduction	2
			Credit	Light Pollution Reduction	1

Y	?	N				
0	0	0		**Water Efficiency**		**11**
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
			Credit	Outdoor Water Use Reduction	2
			Credit	Indoor Water Use Reduction	6
			Credit	Cooling Tower Water Use	2
			Credit	Water Metering	1

Y	?	N				
0	0	0		**Energy and Atmosphere**		**33**
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
			Credit	Enhanced Commissioning	6
			Credit	Optimize Energy Performance	18
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
			Credit	Renewable Energy Production	3
			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

Y	?	N				
0	0	0		**Materials and Resources**		**13**
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
			Credit	Building Life-Cycle Impact Reduction	5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
			Credit	Construction and Demolition Waste Management	2

Y	?	N				
0	0	0		**Indoor Environmental Quality**		**16**
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
			Credit	Enhanced Indoor Air Quality Strategies	2
			Credit	Low-Emitting Materials	3
			Credit	Construction Indoor Air Quality Management Plan	1
			Credit	Indoor Air Quality Assessment	2
			Credit	Thermal Comfort	1
			Credit	Interior Lighting	2
			Credit	Daylight	3
			Credit	Quality Views	1
			Credit	Acoustic Performance	1

Y	?	N				
0	0	0		**Innovation**		**6**
			Credit	Innovation	5
			Credit	LEED Accredited Professional	1

Y	?	N				
0	0	0		**Regional Priority**		**4**
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

0	0	0	**TOTALS**	Possible Points:	**110**

Certified: 40 to 49 points,   **Silver:** 50 to 59 points,   **Gold:** 60 to 79 points,   **Platinum:** 80 to 110

Green Practices

LEED v4 for BD+C: Hospitality
Project Checklist

Project Name:
Date:

Y	?	N				
			Credit	Integrative Process		1

Y	?	N				
0	0	0		**Location and Transportation**		16
			Credit	LEED for Neighborhood Development Location		16
			Credit	Sensitive Land Protection		1
			Credit	High Priority Site		2
			Credit	Surrounding Density and Diverse Uses		5
			Credit	Access to Quality Transit		5
			Credit	Bicycle Facilities		1
			Credit	Reduced Parking Footprint		1
			Credit	Green Vehicles		1

Y	?	N				
0	0	0		**Sustainable Sites**		10
Y			Prereq	Construction Activity Pollution Prevention		Required
			Credit	Site Assessment		1
			Credit	Site Development - Protect or Restore Habitat		2
			Credit	Open Space		1
			Credit	Rainwater Management		3
			Credit	Heat Island Reduction		2
			Credit	Light Pollution Reduction		1

Y	?	N				
0	0	0		**Water Efficiency**		11
Y			Prereq	Outdoor Water Use Reduction		Required
Y			Prereq	Indoor Water Use Reduction		Required
Y			Prereq	Building-Level Water Metering		Required
			Credit	Outdoor Water Use Reduction		2
			Credit	Indoor Water Use Reduction		6
			Credit	Cooling Tower Water Use		2
			Credit	Water Metering		1

Y	?	N				
0	0	0		**Energy and Atmosphere**		33
Y			Prereq	Fundamental Commissioning and Verification		Required
Y			Prereq	Minimum Energy Performance		Required
Y			Prereq	Building-Level Energy Metering		Required
Y			Prereq	Fundamental Refrigerant Management		Required
			Credit	Enhanced Commissioning		6
			Credit	Optimize Energy Performance		18
			Credit	Advanced Energy Metering		1
			Credit	Demand Response		2
			Credit	Renewable Energy Production		3
			Credit	Enhanced Refrigerant Management		1
			Credit	Green Power and Carbon Offsets		2

Y	?	N				
0	0	0		**Materials and Resources**		13
Y			Prereq	Storage and Collection of Recyclables		Required
Y			Prereq	Construction and Demolition Waste Management Planning		Required
			Credit	Building Life-Cycle Impact Reduction		5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations		2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials		2
			Credit	Building Product Disclosure and Optimization - Material Ingredients		2
			Credit	Construction and Demolition Waste Management		2

Y	?	N				
0	0	0		**Indoor Environmental Quality**		16
Y			Prereq	Minimum Indoor Air Quality Performance		Required
Y			Prereq	Environmental Tobacco Smoke Control		Required
			Credit	Enhanced Indoor Air Quality Strategies		2
			Credit	Low-Emitting Materials		3
			Credit	Construction Indoor Air Quality Management Plan		1
			Credit	Indoor Air Quality Assessment		2
			Credit	Thermal Comfort		1
			Credit	Interior Lighting		2
			Credit	Daylight		3
			Credit	Quality Views		1
			Credit	Acoustic Performance		1

Y	?	N				
0	0	0		**Innovation**		6
			Credit	Innovation		5
			Credit	LEED Accredited Professional		1

Y	?	N				
0	0	0		**Regional Priority**		4
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1
			Credit	Regional Priority: Specific Credit		1

Y	?	N			
0	0	0	**TOTALS**	Possible Points:	110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

LEED v4 for BD+C: Healthcare
Project Checklist

Project Name:
Date:

Y ? N

Y	?	N				
Y				Prereq	Integrative Project Planning and Design	Required
				Credit	Integrative Process	1

Location and Transportation — 9

Y	?	N			
			Credit	LEED for Neighborhood Development Location	9
			Credit	Sensitive Land Protection	1
			Credit	High Priority Site	2
			Credit	Surrounding Density and Diverse Uses	1
			Credit	Access to Quality Transit	2
			Credit	Bicycle Facilities	1
			Credit	Reduced Parking Footprint	1
			Credit	Green Vehicles	1

Sustainable Sites — 9

Y	?	N			
Y			Prereq	Construction Activity Pollution Prevention	Required
Y			Prereq	Environmental Site Assessment	Required
			Credit	Site Assessment	1
			Credit	Site Development - Protect or Restore Habitat	1
			Credit	Open Space	1
			Credit	Rainwater Management	2
			Credit	Heat Island Reduction	1
			Credit	Light Pollution Reduction	1
			Credit	Places of Respite	1
			Credit	Direct Exterior Access	1

Water Efficiency — 11

Y	?	N			
Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
			Credit	Outdoor Water Use Reduction	1
			Credit	Indoor Water Use Reduction	7
			Credit	Cooling Tower Water Use	2
			Credit	Water Metering	1

Energy and Atmosphere — 35

Y	?	N			
Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
			Credit	Enhanced Commissioning	6
			Credit	Optimize Energy Performance	20
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
			Credit	Renewable Energy Production	3
			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

Materials and Resources — 19

Y	?	N			
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
Y			Prereq	PBT Source Reduction- Mercury	Required
			Credit	Building Life-Cycle Impact Reduction	5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
			Credit	PBT Source Reduction- Mercury	1
			Credit	PBT Source Reduction- Lead, Cadmium, and Copper	2
			Credit	Furniture and Medical Furnishings	2
			Credit	Design for Flexibility	1
			Credit	Construction and Demolition Waste Management	2

Indoor Environmental Quality — 16

Y	?	N			
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
			Credit	Enhanced Indoor Air Quality Strategies	2
			Credit	Low-Emitting Materials	3
			Credit	Construction Indoor Air Quality Management Plan	1
			Credit	Indoor Air Quality Assessment	2
			Credit	Thermal Comfort	1
			Credit	Interior Lighting	1
			Credit	Daylight	2
			Credit	Quality Views	2
			Credit	Acoustic Performance	2

Innovation — 6

Y	?	N			
			Credit	Innovation	5
			Credit	LEED Accredited Professional	1

Regional Priority — 4

Y	?	N			
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

TOTALS — Possible Points: 110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

LEED v4 Credit Categories

Location and Transportation (LT)
Sustainable Sites (SS)
Water Efficiency (WE)
Energy and Atmosphere (EA)
Materials and Resources (MR)
Indoor Environmental Quality (EQ)
Innovation (IN)
Regional Priority (RP)

LEED for Neighborhood Development

Smart Location and Linkages (SLL)
Neighborhood Pattern and Design (NPD)
Green Buildings and Infrastructure (GBI)

Location and Transportation (LT)

LEED emphasizes location and transportation issues by rewarding development that preserves environmentally sensitive places and takes advantage of existing infrastructure, community resources, and transit.

❑ It encourages access to open space for walking, physical activity, and time spent outdoors.

❑ Credits also encourage smart transportation choices and access to a diversity of uses.

Sustainable Sites (SS)

Choosing a building's site and managing that site during construction are important considerations for a project's sustainability.

❑ LEED credits addressing sustainable sites discourage development of previously undeveloped land and damage to ecosystems and waterways;

❑ they encourage regionally appropriate landscaping, control of rainwater runoff, and reduced erosion, light pollution, heat island effect, and construction-related pollution.

Water Efficiency (WE)

Buildings are major users of our potable water supply. The goal of credits addressing water efficiency is to encourage smarter use of water, inside and out.

❑ Water reduction is typically achieved through more efficient appliances, fixtures, and fittings inside and water-wise landscaping outside.

Energy and Atmosphere (EA)

LEED encourages a wide variety of strategies to address energy consumption, including

- ❑ commissioning;
- ❑ energy use monitoring;
- ❑ efficient design and construction;
- ❑ efficient appliances, systems, and lighting;
- ❑ demand response, and
- ❑ the use of renewable and clean sources of energy, generated on-site or off-site.

Materials and Resources (MR)

During both construction and operations, buildings generate large amounts of waste and use tremendous volumes of materials and resources.

❑ These credits encourage the selection of sustainably grown, harvested, produced, and transported products and materials.

❑ They promote the use of life-cycle assessment to holistically evaluate materials and the disclosure and optimization of material chemical ingredients.

Indoor Environmental Quality (EQ)

The average American spends about 90% of the day indoors, where pollutant concentrations may be two to 100 times higher than outdoor levels. Thus indoor air quality can be significantly worse than outside.

❑ LEED credits promote strategies that can improve indoor air,

❑ provide access to natural daylight and views, and

❑ improve acoustics.

Innovation (IN)

LEED promotes innovation by offering points for improving a building's performance well beyond what is required by the credits or for incorporating green building ideas that are not specifically addressed elsewhere in the rating system.

❑ This credit category also rewards the inclusion of a LEED Accredited Professional on the project team.

Regional Priority (RP)

USGBC's regional councils, chapters, and affiliates have identified the environmental concerns that are most important for every region of the country, and LEED credits that address those local priorities have been selected for each region.

☐ A project team that earns a regional priority credit earns one bonus point in addition to any points awarded for that credit.

LEED for Neighborhood Development is organized around three main categories, focusing on where, what, and how to build green at a community scale.

Smart Location and Linkages (SLL)

This section of the rating system provides guidance on where the project is built, encouraging the selection of sites with existing services and transit.

Neighborhood Pattern and Design (NPD)

Neighborhoods should be compact, complete, connected, and convivial. The intent of credits in this category is to create environments that are walkable, vibrant with mixed-use establishments, and connected to the larger community.

Green Infrastructure and Buildings (GIB)

This category focuses on measures that can reduce the environmental harms associated with the construction and operation of buildings and infrastructure within neighborhoods, with a goal of not just reducing the environmental consequences, but also enhancing the natural environment.

Rating System Structure

LEED rating systems have 100 base points plus six Innovation points and four Regional Priority points, for a total of 110 points.

The level of certification is determined according to the following scale:

Certified	40–49 points
Silver	50–59 points
Gold	60–79 points
Platinum	80+ points

Integrative Process

An **integrative process** is a comprehensive approach to building systems and equipment. Project team members look for synergies among systems and components, the mutual advantages that can help achieve high levels of building performance, human comfort, and environmental benefits.

❑ The process should involve rigorous questioning and coordination and challenge typical project assumptions.

❑ Team members collaborate to enhance the efficiency and effectiveness of every system.

Ongoing Performance Monitoring

LEED Dynamic Plaque

Rating System Development and Evolution

Ongoing improvements to LEED are based on principles of transparency, openness, and inclusiveness involving volunteer committees and working groups, as well as USGBC staff, and are approved by a membership-wide vote.

LEED is continually improved through the correction and clarification of credit language. These updates are published as quarterly addenda and include LEED interpretations.

Rating System Development and Evolution

Addenda http://www.usgbc.org/leed-interpretations

What are Addenda?

Answer
Addenda incorporate changes, improvements to LEED rating systems and reference guides to help clarify, correct, interpret or provide alternative language. Addenda are subject to USGBC committee review and are published frequently.

Rating System Development and Evolution

Addenda

How often are Addenda published?

Answer
Addenda are published as frequently as quarterly, with the first quarterly release occurring January 1st.

Rating System Development and Evolution

Addenda

Does my project have to follow the Addenda?

Answer
Project teams must follow Addenda published prior to their project's registration date. It's strongly recommended that project teams also follow Addenda published after their registration date.

Rating System Development and Evolution

LEED Interpretation

What is a LEED Interpretation?

Answer

LEED Interpretations are official answers to formal technical inquiries about implementing [LEED](#) on a project. They help project teams understand how their projects can meet LEED requirements and provide clarity on existing options.

Rating System Development and Evolution

LEED Interpretations are:

❑ **Precedent-setting:** LEED Interpretations can be used by any project certifying under an applicable rating system. All project teams are required to adhere to all LEED Interpretations posted before their registration date. This also applies to other addenda. Adherence to rulings posted after a project registers is optional, but strongly encouraged.

❑ **Published online:** LEED Interpretations will be published in a database.

❑ **Subject to consensus-based review:** LEED Interpretations undergo review by USGBC member-selected volunteer LEED committees.

Rating System Development and Evolution

What is a Project Credit Interpretation Ruling (CIR)?

Answer

The Project Credit Interpretation Ruling (CIR) process is designed to allow Project Teams to obtain technical guidance on how LEED requirements including Minimum Program Requirements (MPR), Prerequisites, and Credits pertain to their projects.

Rating System Development and Evolution

What is the difference between a LEED Interpretation and a Project Credit Interpretation Ruling (CIR)?

Answer

LEED Interpretations are similar to Project CIRs but they are precedent setting as the results can be applied to all future LEED projects.

Rating System Development and Evolution

How do I submit a formal inquiry — i.e. a Project Credit Interpretation Ruling (CIR) or LEED Interpretation (LI)?

Answer

Although full functionality for formal inquiries is still under development, Project CIRs & LIs may now be submitted through LEED Online. View our instructions and please refer to the fees website for information on Project CIR fees.

Rating System Development and Evolution

Pilot Credits http://www.usgbc.org/pilotcredits

❑ Pilot credits are a testing area for new ideas in LEED.

❑ Credit can be earned in the Innovation category, or, for Pilot ACPs, the pilot can be used to replace an existing credit.

Rating System Development and Evolution

Pilot Credit Library

1. Open ACP Pilot Credits

2. Open Pilot Credits

3. Closed Pilot Credits

Rating System Development and Evolution

Open ACP pilot credits

Indoor air quality procedure
LEED BD+C: New Construction, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Hospitality, LEED BD+C: Warehouses and Distribution Centers, LEED BD+C: Multifamily Midrise, LEED ID+C: Commercial Interiors, LEED ID+C: Retail, LEED ID+C: Hospitality, LEED O+M: Existing Buildings, LEED O+M: Schools, LEED O+M: Retail, LEED O+M: Hospitality, LEED O+M: Warehouses and Distribution Centers

EQpc68 | Required

Offsite Financial Support for Habitat Protection
LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare

SSpc83 | 1 point

Advanced Buildings™ New Construction Guide
LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Data Centers, LEED BD+C: Hospitality

EApc92 | Up to 10 points

No Cooling Tower
LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED BD+C: Data Centers, LEED BD+C: Hospitality, LEED BD+C: Warehouses and Distribution Centers

WEpc94 | 2 points

Glossary ⬤

Intent

To increase water efficiency, eliminating the need for a cooling tower.

Requirements

> Note: This pilot credit is an alternative compliance path to the LEED v4 credits Cooling tower water use (BD+C), Cooling tower water use (O+M) and Cooling tower water use (O+M: Data Centers) for the maximum number of points under each credit

Projects without Cooling Towers or Evaporative Condensers

Projects may earn full credit if all conditions are met:

- the baseline system designated for the building using ASHRAE 90.1-2010 Appendix G Table G3.1.1 includes a cooling tower (systems 7 & 8)
- the project design case does not include a cooling tower
- the design case mechanical system does not use the latent heat of the evaporative cooling of water.
- the project does not receive any cooling from a District cooling system

All other system types are ineligible for credit.

General Pilot Documentation Requirements

REGISTER FOR THE PILOT CREDIT

Rating System Development and Evolution

Open pilot credits

Indoor air quality procedure

LEED BD+C: New Construction, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Hospitality, LEED BD+C: Warehouses and Distribution Centers, LEED BD+C: Multifamily Midrise, LEED ID+C: Commercial Interiors, LEED ID+C: Retail, LEED ID+C: Hospitality, LEED O+M: Existing Buildings, LEED O+M: Schools, LEED O+M: Retail, LEED O+M: Hospitality, LEED O+M: Warehouses and Distribution Centers

EQpc68 | Required

Medical and process equipment efficiency

LEED BD+C: New Construction, LEED BD+C: Healthcare, LEED ID+C: Commercial Interiors

EApc3 | 1 point

Walkable project site

LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED BD+C: Hospitality

SSpc14 | 1 point

Ergonomics approach for computer users

LEED BD+C: New Construction, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED ID+C: Commercial Interiors, LEED ID+C: Retail

EQpc44 | 1 point

Bird collision deterrence

LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED BD+C: Data Centers, LEED BD+C: Hospitality, LEED BD+C: Warehouses and Distribution Centers

SSpc55 | 1 point

Walkable project site

Possible 1 point

Glossary ⬤

Intent

To incorporate design elements that promote walking, biking, and other non-motorized transportation on the project site and in the surrounding community to reduce vehicle distance traveled, increase public health, and enhance community participation.

Requirements

Design and build the project to achieve at least eight of nine of the following features:

1. Continuous sidewalks or equivalent all-weather routes for walking on the project site, such as woonerfs[1] or footpaths, serve all functional building entrances and connect them to public sidewalks. Service entrances may be excluded.

2. A main entrance on the primary façade[2] faces a public space such as a street[3], square, park, paseo[4], or plaza, but not a parking lot, and is connected to sidewalks.

   ▫ For a square, park, or plaza to qualify as a public space, it must be at least 50 feet (15 meters) deep at a point perpendicular to the main entrance.

3. The primary façade has a minimum building-height-to-street center line ratio of 1:1.5, e.g. a minimum of 1 unit of building height for every 1.5 units distance from street center line to building façade.

ABOUT LEED

Rating System Development and Evolution

Closed pilot credits −

Sustainable wastewater management

LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED BD+C: Data Centers, LEED BD+C: Hospitality, LEED BD+C: Warehouses and Distribution Centers, LEED ID+C: Commercial Interiors, LEED ID+C: Retail, LEED ID+C: Hospitality

WEpc10 | 1 point

Environmentally preferable interior finishes and furnishings

LEED BD+C: New Construction, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED BD+C: Hospitality, LEED ID+C: Commercial Interiors, LEED ID+C: Retail, LEED ID+C: Hospitality

MRpc80 | 1 point

LEED O+M Starter Kit

LEED BD+C: New Construction, LEED BD+C: Core and Shell, LEED BD+C: Schools, LEED BD+C: Retail, LEED BD+C: Healthcare, LEED BD+C: Data Centers, LEED BD+C: Hospitality, LEED BD+C: Warehouses and Distribution Centers

IPpc88 | Up to 4 points

Gr...ractices   52

Environmentally preferable interior finishes and furnishings

Possible 1 point

Glossary ⊙

Intent

To increase the use of interior finishes and furnishings with verified preferable multi-attribute environmental profiles.

Pilot Credit Closed

PC80 was closed on 8/15/2016, however, a newer version of the credit, MRpc112 - Certified Multi-attribute Products and Materials is currently open to new registrations.

Requirements

General Pilot Documentation Requirements

REGISTER FOR THE PILOT CREDIT

▫ Participate in the LEEDuser pilot credit forum

▫ Complete the feedback survey:

CREDITS 1-14

CREDITS 15-27

CREDITS 28-42

Gr

Credit Weightings

The weightings ensure that LEED assigns higher point values to the credits with the strongest relationship to the impact categories of greatest concern.

Legend:
- Natural Resources
- Community
- Green Economy
- Biodiversity
- Water Resources
- Human Health
- Climate Change
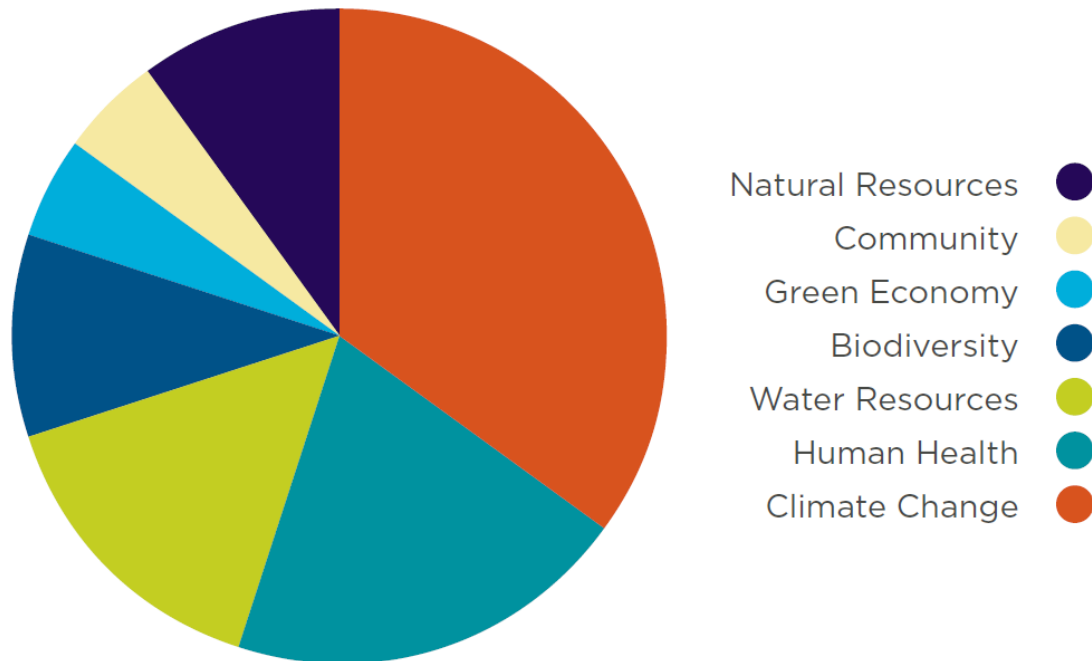
Credit Weightings

LEED Impact Categories

"What should a LEED project accomplish?"
Reverse Contribution to Global Climate Change
Enhance Individual Human Health and Well-Being
Protect and Restore Water Resources
Protect, Enhance and Restore Biodiversity and Ecosystem Services
Promote Sustainable and Regenerative Material Resources Cycles
Build a Greener Economy
Enhance Social Equity, Environmental Justice, and Community Quality of Life

LEED v4
IMPACT CATEGORY AND
POINT ALLOCATION
DEVELOPMENT PROCESS

Brendan Owens, U.S. Green Building Council
Chrissy Macken, U.S. Green Building Council
Adam Rohloff, Altura Associates
Heather Rosenberg, The Cadmus Group
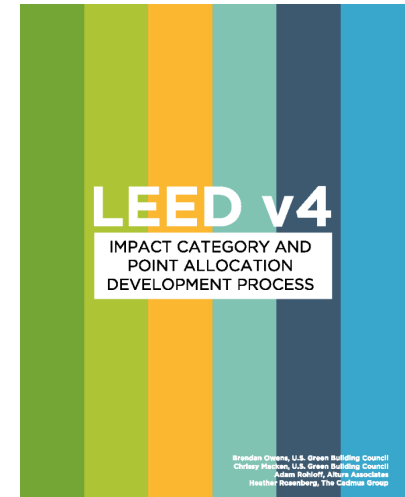
Green Building Codes, Standards, and Rating Systems

California Green Building Code (CALGreen Code)
http://www.bsc.ca.gov/Home/CALGreen.aspx

The California Green Building Standards Code (CALGreen Code) is Part 11 of the California Building Standards Code (Title 24) and is the first statewide "green" building code in the US.

Green Building Codes, Standards, and Rating Systems

International Green Construction Code (IGCC)
http://www.iccsafe.org/codes-tech-support/international-green-construction-code-igcc/international-green-construction-code/

The **International Green Construction Code** (IGCC), including ASHRAE Standard 189.1 as an alternate path to compliance, is a widely supported and first-of-its-kind regulatory framework that recognizes an entire set of risks not otherwise addressed in the codes.

Project Certification

LEED certification provides independent, third-party verification that a building project meets the highest green building and performance measures.

Early in the development of a project, the integrated project team needs to determine the project's goals, the level of certification to pursue, and the credits that will help them achieve it.

Project Certification

LEED certification involves four main steps:

1. **Register** your project by completing key forms and submitting payment.
2. **Apply** for LEED certification by submitting your completed certification application through LEED Online and paying a certification review fee.
3. **Review.** Your LEED application is reviewed by GBCI.
4. **Certify.** Receive the certification decision. If you've earned LEED certification: congratulations!

Project Certification

Project Registration

❑ The LEED process begins with registration. The project team submits a registration form and a fee to GBCI.

❑ It is helpful if the **project administrator—the team member who registers** the project—has previous green building and LEED project experience; ideally, he or she is a LEED Accredited Professional with Specialty.

❑ Once registered, the team receives information, tools, and communications that will help guide the certification process.

❑ All project activity, including registration and credit compliance documentation, is completed in **LEED Online**, a data collection portal through which the team uploads information about the project. This site provides **credit templates** to be completed and signed by a specified member of the team.

Project Certification

Application Preparation

❏ Each LEED credit and prerequisite has documentation requirements that must be completed as part of the application process.

❏ The project team selects the credits it has chosen to pursue and when the necessary documentation, including required information and calculations, has been assembled, the project team uploads the materials to LEED Online.

Project Certification

Submission

☐ When the team is ready for its application to be reviewed, the **project administrator** submits the appropriate fee and documentation.

☐ For LEED BD+C and ID+C projects, the team can wait to submit documentation until the building project is complete, or the team can seek review of its **design-related** prerequisites and credits before completion, and then apply for **construction-related** credits after the project is finished.

Project Certification

Application Review

❑ Whether the design and construction credits are submitted together or separately, each credit undergoes one **preliminary review**.

❑ The certification reviewer may request additional information or clarification.

❑ The team then submits final documentation. After the **final review**, a team may appeal any adverse decisions on individual credits for an additional fee.

Project Certification

APPEALS	
Complex credits	$800/credit
All other credits	$500/credit
Expedited review (reduce from 20-25 business days to 10-12, available based on GBCI review capacity)	+ $500/credit
FORMAL INQUIRIES	
Project CIRs	$220/credit

a team may appeal any adverse decisions on individual credits for an additional fee.

Project Certification

Certification

❑ Certification is the final step in the LEED review process.

❑ Once the final application review is complete, the project team can either accept or appeal the final decision.

❑ LEED-certified projects receive formal certificates of recognition, a plaque, and tips for marketing the achievement.

❑ Projects may be included in USGBC's online LEED Project Directory of registered and certified projects.

Project Certification

http://www.usgbc.org/cert-guide

Project Certification

Guide to LEED Certification: Commercial

BD+C, ID+C, O+M

READ ONLINE   DOWNLOAD PDF

http://www.usgbc.org/cert-guide/commercial

Project Credit Interpretation Rulings

Project credit interpretation rulings (Project CIRs), administered by GBCI, allow teams to obtain technical guidance on how LEED requirements pertain to their projects.

❑ Project CIRs do not guarantee credit award; the project applicant must still demonstrate and document achievement during the LEED certification application process.

❑ The ruling remains confidential and generally applies only to the one project.

LEED Interpretations

LEED Interpretations, however, are precedent setting; project teams are required to adhere to all LEED Interpretations posted before their registration date.

These are posted publicly in the online Addenda database.

ADDENDA DATABASE

Addenda incorporate changes and improvements to LEED rating systems and resources to help clarify, correct, interpret or provide alternative language helping project teams better implement LEED. Search the database.

LEED Professional Credentials

LEED Professional Credentials

Maintaining your credential
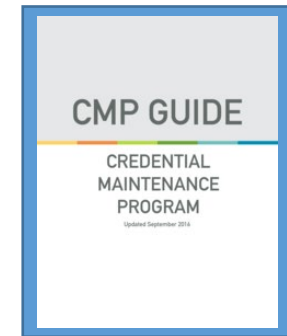
All LEED professionals are required to maintain their credential by earning continuing education hours.

LEED Green Associates must earn 15 continuing education hours within two years of earning their credential.

LEED APs must earn 30 continuing education hours within two years of earning their credential.

Certificates

Green Raters provide in-the-field verification services at each and every Homes project.

Certificates

Earn a Green Classroom Professional certificate and further the mission of creating green schools for everyone within this generation. Green classroom professionals advocate for healthier, more environmentally responsible places in which to work and teach.