

LEED 2009 Rating System



Duffield Associates has been deeply rooted in sustainable design since our founding in 1976. Our extensive experience in the geosciences and natural resources form the core science behind today's sustainable design principals. USGBC has quantified many of these concepts in their certification program, most recently as LEED 2009. We have 17 LEED Accredited Professionals to assist owners and their architectural and MEP teams in pursuit of LEED & other green certifications.

Sustainable Sites

Credit	Description	NC
Prerequisite 1	Construction Activity Pollution Prevention	Required
Credit 1	Site Selection	1
Credit 2	Development Density and Community Connectivity	5
Credit 3	Brownfield Redevelopment	1
Credit 4.1	Alternate Transportation- Public Transportation Access	6
Credit 4.2	Alternate Transportation- Bicycle Storage and Training Rooms	1
Credit 4.3	Alternate Transportation- Low-Emitting and Fuel Efficient Vehicles	3
Credit 4.4	Alternate Transportation- Parking Capacity	2
Credit 5.1	Site Development- Protect or Restore Habitats	1
Credit 5.2	Site Development- Maximize Open Space	1
Credit 6.1	Stormwater Design- Quantity Control	1
Credit 6.2	Stormwater Design- Quality Control	1
Credit 7.1	Heat Island Effect- Nonroof	1
Credit 7.2	Heat Island Effect- Roof	1
Credit 8	Light Pollution Reduction	1
Total		26

Energy and Atmosphere

Prerequisite 1	Fundamental Commissioning of Building Energy Systems	Required
Prerequisite 2	Minimum Energy Performance	Required
Prerequisite 3	Fundamental Refrigerant Management	Required
Credit 1	Optimize Energy Performance	1-19
Credit 2	On-site Renewable Energy	1-7
Credit 3	Enhanced Commissioning	2
Credit 4	Enhanced Refrigerant Management	2
Credit 5	Measurement and Verification	3
Credit 5.1	Measurement and Verification- Base Building	NA
Credit 5.2	Measurement and Verification- Tenant Submetering	NA
Credit 6	Green Power	2
Total		35

Materials and Resources

Prerequisite 1	Storage and Collection of Recyclables	Required
Credit 1.1	Building Reuse- Maintaining Existing Walls, Floors and Roof	1-3
Credit 1.2	Building Reuse- Maintaining Interior Nonstructural Elements	1
Credit 2	Construction Waste Management	1-2
Credit 3	Material Reuse	1-2
Credit 4	Recycled content	1-2
Credit 5	Regional Material	1-2
Credit 6	Rapidly Renewable Materials	1
Credit 7	Certified Wood	1
Total		14

Indoor Environmental Quality

Credit	Description	NC
Prerequisite 1	Minimum Indoor Air Quality Performance	Required
Prerequisite 2	Environmental Tobacco Smoke (ETS) Control	Required
Prerequisite 3	Minimum Acoustical Performance	NA
Credit 1	Outdoor Air Delivery Monitoring	1
Credit 2	Increased Ventilation	1
Credit 3.1	Indoor Air Quality Management Plan During Construction	1
Credit 3.2	Indoor Air Quality Management Plan Before Occupancy	1
Credit 4.1	Low-Emitting Materials- Adhesives and Sealants	1
Credit 4.2	Low-Emitting Materials- Paints and Coatings	1
Credit 4.3	Low-Emitting Materials- Floor Systems	1
Credit 4.4	Low-Emitting Materials- Composite Wood and Agrifiber Products	1
Credit 5	Indoor Chemical and Pollutant Source Control	1
Credit 6.1	Controllability of Systems- Lighting	1
Credit 6.2	Controllability of Systems- Thermal Comfort	1
Credit 7.1	Thermal Comfort- Design	1
Credit 7.2	Thermal Comfort- Verification	1
Credit 8.1	Daylight and Views- Daylight	1
Credit 8.2	Daylight and Views- Views	1
Total		15

Water Efficiency

Prerequisite 1	Water Use Reduction	Required
Credit 1	Water Efficient Landscaping	2-4
Credit 2	Innovative Wastewater	2
Credit 3	Water Use Reduction	2-4
Total		10

Innovation in Design


Credit 1	Innovation in Design	1-5
Credit 2	LEED* Accredited Professional	1
Total		6

Regional Priority

Credit 1	Regional Priority	1-4
Total		4

Total all points 110

Total points Duffield Associates can help you achieve 64

 = Services Provided by Duffield Associates