

LEED for New Construction and Major Renovations (v2009)

SUSTAINABLE SITES		POSSIBLE: 26
SSp1	Construction activity pollution prevention	REQUIRED
SSc1	Site selection	1
SSc2	Development density and community connectivity	5
SSc3	Brownfield redevelopment	1
SSc4.1	Alternative transportation - public transportation access	6
SSc4.2	Alternative transportation - bicycle storage and changing rooms	1
SSc4.3	Alternative transportation - low-emitting and fuel-efficient vehicles	3
SSc4.4	Alternative transportation - parking capacity	2
SSc5.1	Site development - protect or restore habitat	1
SSc5.2	Site development - maximize open space	1
SSc6.1	Stormwater design - quantity control	1
SSc6.2	Stormwater design - quality control	1
SSc7.1	Heat island effect - nonroof	1
SSc7.2	Heat island effect - roof	1
SSc8	Light pollution reduction	1

WATER EFFICIENCY		POSSIBLE: 10
WEp1	Water use reduction	REQUIRED
WEc1	Water efficient landscaping	4
WEc2	Innovative wastewater technologies	2
WEc3	Water use reduction	4

ENERGY & ATMOSPHERE		POSSIBLE: 35
EAp1	Fundamental commissioning of building energy systems	REQUIRED
EAp2	Minimum energy performance	REQUIRED
EAp3	Fundamental refrigerant Mgmt	REQUIRED
EAc1	Optimize energy performance	19
EAc2	On-site renewable energy	7
EAc3	Enhanced commissioning	2
EAc4	Enhanced refrigerant Mgmt	2
EAc5	Measurement and verification	3
EAc6	Green power	2

MATERIAL & RESOURCES		POSSIBLE: 14
MRp1	Storage and collection of recyclables	REQUIRED
MRC1.1	Building reuse - maintain existing walls, floors and roof	3
MRC1.2	Building reuse - maintain interior nonstructural elements	1
MRC2	Construction waste Mgmt	2
MRC3	Materials reuse	2
MRC4	Recycled content	2

MATERIAL & RESOURCES		CONTINUED
MRC5	Regional materials	2
MRC6	Rapidly renewable materials	1
MRC7	Certified wood	1

INDOOR ENVIRONMENTAL QUALITY		POSSIBLE: 15
EQp1	Minimum IAQ performance	REQUIRED
EQp2	Environmental Tobacco Smoke (ETS) control	REQUIRED
EQc1	Outdoor air delivery monitoring	1
EQc2	Increased ventilation	1
EQc3.1	Construction IAQ Mgmt plan - during construction	1
EQc3.2	Construction IAQ Mgmt plan - before occupancy	1
EQc4.1	Low-emitting materials - adhesives and sealants	1
EQc4.2	Low-emitting materials - paints and coatings	1
EQc4.3	Low-emitting materials - flooring systems	1
EQc4.4	Low-emitting materials - composite wood and agrifiber products	1
EQc5	Indoor chemical and pollutant source control	1
EQc6.1	Controllability of systems - lighting	1
EQc6.2	Controllability of systems - thermal comfort	1
EQc7.1	Thermal comfort - design	1
EQc7.2	Thermal comfort - verification	1
EQc8.1	Daylight and views - daylight	1
EQc8.2	Daylight and views - views	1

INNOVATION		POSSIBLE: 6
IDc1	Innovation in design	5
IDc2	LEED Accredited Professional	1

REGIONAL PRIORITY		POSSIBLE: 4
RPC1	Regional priority	4

TOTAL **110**

40-49 Points	50-59 Points	60-79 Points	80+ Points
CERTIFIED	SILVER	GOLD	PLATINUM



LEED 2009 for New Construction and Major Renovations
Project Checklist

State College Service Facility
3/1/2013

22 0 0

Sustainable Sites Possible Points: 26

Y	?	N	d/C
Y			
		N	
5			
	?		
6			
1			
3			
2			
		N	
1			
1			
1			
	?		
1			
1			

C Prereq 1	Construction Activity Pollution Prevention	
d Credit 1	Site Selection	1
d Credit 2	Development Density and Community Connectivity	5
d Credit 3	Brownfield Redevelopment	1
d Credit 4.1	Alternative Transportation—Public Transportation Access	6
d Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
d Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
d Credit 4.4	Alternative Transportation—Parking Capacity	2
C Credit 5.1	Site Development—Protect or Restore Habitat	1
d Credit 5.2	Site Development—Maximize Open Space	1
d Credit 6.1	Stormwater Design—Quantity Control	1
d Credit 6.2	Stormwater Design—Quality Control	1
C Credit 7.1	Heat Island Effect—Non-roof	1
d Credit 7.2	Heat Island Effect—Roof	1
d Credit 8	Light Pollution Reduction	1

Notes:

- C Defined as Prime Farmland by US Dept of Ag
- C Determine density/Connected
- C As defined by local/state/national government
- C Verify bus stop proximity
- C Not applicable, Greenfield site
- C Verify paving needs/shading, may be additional cost

4 0 0

Water Efficiency Possible Points: 10

Y	?	N	d/C
Y			
4			
		N	
		N	

d Prereq 1	Water Use Reduction—20% Reduction	
d Credit 1	Water Efficient Landscaping	2 to 4
	Reduce by 50%	2
	X No Potable Water Use or Irrigation	4
d Credit 2	Innovative Wastewater Technologies	2
d Credit 3	Water Use Reduction	2 to 4
	Reduce by 30%	2
	Reduce by 35%	3
	Reduce by 40%	4

Notes:

- C No potable water used for irrigation
- Small use, treat on-site
- Small use, not enough fixtures

11 0 0

Energy and Atmosphere Possible Points: 35

Y	?	N	d/C
Y			
Y			
Y			
7			

C Prereq 1	Fundamental Commissioning of Building Energy Systems	
d Prereq 2	Minimum Energy Performance	
d Prereq 3	Fundamental Refrigerant Management	
d Credit 1	Optimize Energy Performance	1 to 19
	Improve by 12% for New Buildings or 8% for Existing Building Renovations	1
	Improve by 14% for New Buildings or 10% for Existing Building Renovations	2
	Improve by 16% for New Buildings or 12% for Existing Building Renovations	3
	Improve by 18% for New Buildings or 14% for Existing Building Renovations	4
	Improve by 20% for New Buildings or 16% for Existing Building Renovations	5
	Improve by 22% for New Buildings or 18% for Existing Building Renovations	6
	X Improve by 24% for New Buildings or 20% for Existing Building Renovations	7
	Improve by 26% for New Buildings or 22% for Existing Building Renovations	8
	Improve by 28% for New Buildings or 24% for Existing Building Renovations	9
	Improve by 30% for New Buildings or 26% for Existing Building Renovations	10
	Improve by 32% for New Buildings or 28% for Existing Building Renovations	11
	Improve by 34% for New Buildings or 30% for Existing Building Renovations	12
	Improve by 36% for New Buildings or 32% for Existing Building Renovations	13
	Improve by 38% for New Buildings or 34% for Existing Building Renovations	14
	Improve by 40% for New Buildings or 36% for Existing Building Renovations	15
	Improve by 42% for New Buildings or 38% for Existing Building Renovations	16
	Improve by 44% for New Buildings or 40% for Existing Building Renovations	17
	Improve by 46% for New Buildings or 42% for Existing Building Renovations	18
	Improve by 48%+ for New Buildings or 44%+ for Existing Building Renovations	19
d Credit 2	On-Site Renewable Energy	1 to 7
	1% Renewable Energy	1
	3% Renewable Energy	2
	5% Renewable Energy	3
	7% Renewable Energy	4
	9% Renewable Energy	5
	11% Renewable Energy	6
	13% Renewable Energy	7
C Credit 3	Enhanced Commissioning	2
d Credit 4	Enhanced Refrigerant Management	2
C Credit 5	Measurement and Verification	3
C Credit 6	Green Power	2

Notes:

- C Cost prohibitive for 1% energy use
- Additional cost, simple to implement
- Additional cost, simple to implement
- C 2 year contract for 35% energy use

4 0 0

Materials and Resources

Possible Points: 14

Y ? N
Y

d	Prereq 1	Storage and Collection of Recyclables				
c	Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 3			
		Reuse 55%	1			
		Reuse 75%	2			
		Reuse 95%	3			
c	Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1			
c	Credit 2	Construction Waste Management	1 to 2			
		X 50% Recycled or Salvaged	1			
		75% Recycled or Salvaged	2			
c	Credit 3	Materials Reuse	1 to 2			
		Reuse 5%	1			
		Reuse 10%	2			
c	Credit 4	Recycled Content	1 to 2			
		X 10% of Content	1			
		? 20% of Content	2			
c	Credit 5	Regional Materials	1 to 2			
		X 10% of Materials	1			
		? 20% of Materials	2			
c	Credit 6	Rapidly Renewable Materials	1			
c	Credit 7	Certified Wood	1			

Notes:

C

Not applicable, no reuse

Not applicable, no reuse

C

Not applicable, reuse based on construction cost

Suited for interior finishes

14 0 0

Indoor Environmental Quality

Possible Points: 15

Y ? N
Y
Y
N
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1

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

Notes:

C

Not cost effective due to limited program

Possible additional equipment cost/increased size

1 0 0

Innovation and Design Process

Possible Points: 6

Y ? N
N
N
N
N
N
N
1

d/C	Credit 1.1	Innovation in Design: Specific Title	1			
d/C	Credit 1.2	Innovation in Design: Specific Title	1			
d/C	Credit 1.3	Innovation in Design: Specific Title	1			
d/C	Credit 1.4	Innovation in Design: Specific Title	1			
d/C	Credit 1.5	Innovation in Design: Specific Title	1			
d/C	Credit 2	LEED Accredited Professional	1			

Notes:

4 0 0

Regional Priority Credits

Possible Points: 4

Y ? N
1
1
1
1

d/C	Credit 1.1	Regional Priority: Specific Credit	1			
d/C	Credit 1.2	Regional Priority: Specific Credit	1			
d/C	Credit 1.3	Regional Priority: Specific Credit	1			
d/C	Credit 1.4	Regional Priority: Specific Credit	1			

Notes:

SSc4.4 Parkng Capacity

SSc6.1 Stormwater design- quality control

WEc1 Reduce by 50%

WEc2 No Potable Irrigation

60 0 0

Total

Possible Points: 110

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