

LEED 2009 for New Construction and Major Renovations

Project Checklist

16 10 Sustai	nable Sites Possi	ible Points:	26	Materials and Resources, Continued	
Y ? N				Y ? N	
Y Prereq 1	Construction Activity Pollution Prevention			1 Credit 4 Recycled Content	1 to 2
1 Credit 1	Site Selection		1	1 Credit 5 Regional Materials	1 to 2
5 Credit 2	Development Density and Community Connectivity		5	1 Credit 6 Rapidly Renewable Materials	1
1 Credit 3	Brownfield Redevelopment		1	1 Credit 7 Certified Wood	1
6 Credit 4.1	Alternative Transportation—Public Transportation Acc	cess	6		
1 Credit 4.2	Alternative Transportation—Bicycle Storage and Chan	ging Rooms	1	123Indoor Environmental QualityPossible Points:	15
3 Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Ef	ficient Vehicles	3	_	
2 Credit 4.4	Alternative Transportation—Parking Capacity		2	Y Prereq 1 Minimum Indoor Air Quality Performance	
1 Credit 5.1	Site Development—Protect or Restore Habitat		1	Y Prereq 2 Environmental Tobacco Smoke (ETS) Control	
1 Credit 5.2	Site Development—Maximize Open Space		1	Credit 1 Outdoor Air Delivery Monitoring	1
1 Credit 6.1	Stormwater Design—Quantity Control		1	1 Credit 2 Increased Ventilation	1
1 Credit 6.2	Stormwater Design—Quality Control		1	Credit 3.1 Construction IAQ Management Plan—During Construction	1
1 Credit 7.1	Heat Island Effect—Non-roof		1	Credit 3.2 Construction IAQ Management Plan—Before Occupancy	1
1 Credit 7.2	Heat Island Effect—Roof		1	Credit 4.1 Low-Emitting Materials—Adhesives and Sealants	1
1 Credit 8	Light Pollution Reduction		1	Credit 4.2 Low-Emitting Materials—Paints and Coatings	1
				Credit 4.3 Low-Emitting Materials—Flooring Systems	1
4 6 Water	Efficiency Possi	ible Points:	10	1 Credit 4.4 Low-Emitting Materials—Composite Wood and Agrifiber Products	1
_				Credit 5 Indoor Chemical and Pollutant Source Control	1
Y Prereq 1	Water Use Reduction—20% Reduction			Credit 6.1 Controllability of Systems—Lighting	1
2 2 Credit 1	Water Efficient Landscaping		2 to 4	Credit 6.2 Controllability of Systems—Thermal Comfort	1
2 Credit 2	Innovative Wastewater Technologies		2	Credit 7.1 Thermal Comfort—Design	1
2 2 Credit 3	Water Use Reduction		2 to 4	1 Credit 7.2 Thermal Comfort—Verification	1
				1 Credit 8.1 Daylight and Views—Daylight	1
23 12 Energy	y and Atmosphere Possi	ible Points:	35	1 Credit 8.2 Daylight and Views—Views	1
Y Prereq 1	Fundamental Commissioning of Building Energy Syster	ms		1 5 Innovation and Design Process Possible Points:	6
Y Prereq 2	Minimum Energy Performance				
Y Prereq 3	Fundamental Refrigerant Management			1 Credit 1.1 Innovation in Design: Specific Title	1
16 3 Credit 1	Optimize Energy Performance		1 to 19	1 Credit 1.2 Innovation in Design: Specific Title	1
7 Credit 2	On-Site Renewable Energy		1 to 7	Credit 1.3 Innovation in Design: Specific Title	1
2 Credit 3	Enhanced Commissioning		2	1 Credit 1.4 Innovation in Design: Specific Title	1
2 Credit 4	Enhanced Refrigerant Management		2	1 Credit 1.5 Innovation in Design: Specific Title	1
3 Credit 5	Measurement and Verification		3	1 Credit 2 LEED Accredited Professional	1
2 Credit 6	Green Power		2		
				1 4 Regional Priority Credits Possible Points:	4
5 9 Materi	als and Resources Possi	ible Points:	14		
				1 Credit 1.1 Regional Priority: Certified Wood	1
Y Prereq 1	Storage and Collection of Recyclables			2 Credit 1.2 Regional Priority: Innovative Wastewater Technologies	1
3 Credit 1.1	Building Reuse–Maintain Existing Walls, Floors, and R	100	1 to 3	1 Credit 1.3 Regional Priority: N/A	1
1 Credit 1.2	Building Reuse–Maintain 50% of Interior Non-Structure	al Elements	1	Credit 1.4 Kegional Priority: N/A	1
2 Credit 2	Construction Waste Management		1 to 2		110
2 Credit 3	Materials Reuse		1 to 2	oi 49 I otal Possible Points:	110
				Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110	

OSU - Johnson Hall

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9		Sustai	nable Sites	Possible Points:	26	
N	d/C					Notes:
	С	Prereq 1	Construction Activity Pollution Prevention			
	d	Credit 1	Site Selection		1	Previously developed
	d	Credit 2	Development Density and Community Connectivity		5	Community Connectivity
1	d	Credit 3	Brownfield Redevelopment		1	
	d	Credit 4.1	Alternative Transportation-Public Transportation Access		6	Option 2: Bus Stop Proximity
1	d	Credit 4.2	Alternative Transportation-Bicycle Storage and Changing Roo	ms	1	
3	d	Credit 4.3	Alternative Transportation-Low-Emitting and Fuel-Efficient V	ehicles	3	
2	d	Credit 4.4	Alternative Transportation—Parking Capacity		2	
1	С	Credit 5.1	Site Development-Protect or Restore Habitat		1	
1	d	Credit 5.2	Site Development-Maximize Open Space		1	
	d	Credit 6.1	Stormwater Design—Quantity Control		1	Case 2: Sites with Existing Imperviousness $\ge 50\%$
	d	Credit 6.2	Stormwater Design—Quality Control		1	
	С	Credit 7.1	Heat Island Effect-Non-roof		1	Option 1
	d	Credit 7.2	Heat Island Effect-Roof		1	Option 1: SRI \geq values in table for 75% of roof surface
	d	Credit 8	Light Pollution Reduction		1	Interior Lighting Option 1: reduce power by 50% between 11pm and 5am





	Water	Efficiency	Possible Points:	10	
					Notes:
d	Prereq 1	Water Use Reduction-20% Reduction			
d	Credit 1	Water Efficient Landscaping		2 to 4	Use native plants and an efficient irrigation system
		X Reduce by 50%		2	
		No Potable Water Use or Irrigation		4	
d	Credit 2	Innovative Wastewater Technologies		2	
d	Credit 3	Water Use Reduction		2 to 4	Does not include irrigation
		X Reduce by 30%		2	
		Reduce by 35%		3	
		Reduce by 40%		4	

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20	5	10		Energ	r and Atmosphere Possible Poin	nts:	35	
Y	?	N						Notes:
Y]		С	Prereq 1	Fundamental Commissioning of Building Energy Systems			
Y	1		d	Prereq 2	Minimum Energy Performance			
Y	1		d	Prereq 3	Fundamental Refrigerant Management			
16		3	d	Credit 1	Optimize Energy Performance		1 to 19	Whole Building Energy Simulation
					Improve by 12% for New Buildings or 8% for Existing Building Renovation	5	1	
					Improve by 14% for New Buildings or 10% for Existing Building Renovation	s	2	
					Improve by 16% for New Buildings or 12% for Existing Building Renovation	s	3	
					Improve by 18% for New Buildings or 14% for Existing Building Renovation	s	4	
					Improve by 20% for New Buildings or 16% for Existing Building Renovation	s	5	
					Improve by 22% for New Buildings or 18% for Existing Building Renovation	s	6	
					Improve by 24% for New Buildings or 20% for Existing Building Renovation	s	7	
					Improve by 26% for New Buildings or 22% for Existing Building Renovation	S	8	
					Improve by 28% for New Buildings or 24% for Existing Building Renovation	s	9	
					Improve by 30% for New Buildings or 26% for Existing Building Renovation	S	10	
					Improve by 32% for New Buildings or 28% for Existing Building Renovation	s	11	
					Improve by 34% for New Buildings or 30% for Existing Building Renovation	s	12	
					Improve by 36% for New Buildings or 32% for Existing Building Renovation	s	13	
					Improve by 38% for New Buildings or 34% for Existing Building Renovation	s	14	
					Improve by 40% for New Buildings or 36% for Existing Building Renovation	s	15	
					X Improve by 42% for New Buildings or 38% for Existing Building Renovation	s	16	
					Improve by 44% for New Buildings or 40% for Existing Building Renovation	s	17	
					Improve by 46% for New Buildings or 42% for Existing Building Renovation	s	18	
					Improve by 48%+ for New Buildings or 44%+ for Existing Building Renovati	ons	19	
		7	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	
	2		С	Credit 3	Enhanced Commissioning		2	Independent CxA on-board prior to start of CD phase
2			d	Credit 4	Enhanced Refrigerant Management		2	Option 2: Minimize emissions
	3		С	Credit 5	Measurement and Verification		3	Establish post-construction occupancy measurement for minimum 1 year
2			С	Credit 6	Green Power		2	OSU purchased green power from Bonneville Environmental Foundation in 2011. Continue to do so?



	5	0	9		Mater	ials and Resources	Possible Points:	14	
	Y	?	N						Notes:
Γ	Y			d	Prereq 1	Storage and Collection of Recyclables			
			3	С	Credit 1.1	Building Reuse-Maintain Existing Walls, Floors, and Roof		1 to 3	
						Reuse 55%		1	
						Reuse 75%		2	
						Reuse 95%		3	
			1	С	Credit 1.2	Building Reuse-Maintain 50% of Interior Non-Structural Eleme	ents	1	
	2			С	Credit 2	Construction Waste Management		1 to 2	
						50% Recycled or Salvaged		1	
						X 75% Recycled or Salvaged		2	
			2	С	Credit 3	Materials Reuse		1 to 2	
						Reuse 5%		1	
						Reuse 10%		2	
	1		1	С	Credit 4	Recycled Content		1 to 2	10% of total cost
						X 10% of Content		1	
						20% of Content		2	
	1		1	С	Credit 5	Regional Materials		1 to 2	10% of total cost
						X 10% of Materials		1	
						20% of Materials		2	
			1	С	Credit 6	Rapidly Renewable Materials		1	
	1			С	Credit 7	Certified Wood		1	Minimum 50% of wood-based materials FSC certified.

12	1	2		Indoor	· Environmental Quality	Possible Points:	15	
Y	?	Ν						Notes:
Y			d	Prereq 1	Minimum Indoor Air Quality Performance			
Y			d	Prereq 2	Environmental Tobacco Smoke (ETS) Control			
1			d	Credit 1	Outdoor Air Delivery Monitoring		1	All AHU's feature outside air flow measuring stations
		1	d	Credit 2	Increased Ventilation		1	
1			С	Credit 3.1	Construction IAQ Management Plan-During Construction		1	
1			С	Credit 3.2	Construction IAQ Management Plan-Before Occupancy		1	
1			С	Credit 4.1	Low-Emitting Materials—Adhesives and Sealants		1	
1			С	Credit 4.2	Low-Emitting Materials—Paints and Coatings		1	
1			С	Credit 4.3	Low-Emitting Materials—Flooring Systems		1	
		1	С	Credit 4.4	Low-Emitting Materials-Composite Wood and Agrifiber Produ	cts	1	
1			d	Credit 5	Indoor Chemical and Pollutant Source Control		1	Ventilate and exhaust janitor's closets and custodial rooms. Provide walk-off mats. Pressurize lab spaces negative to the rest of the building. Utilize MERV 13 filtration.
1			d	Credit 6.1	Controllability of Systems—Lighting		1	Individual lighting controls. Task lighting at open lab benches.
1			d	Credit 6.2	Controllability of Systems—Thermal Comfort		1	Individual thermostat controls at each private office and admin areas. Shared office space, conference rooms, and classrooms have individual controls.
1			d	Credit 7.1	Thermal Comfort–Design		1	Meet ASHRAE Standard 55-2004
	1		d	Credit 7.2	Thermal Comfort-Verification		1	Conduct survey 6-18 months after occupancy.
1			d	Credit 8.1	Daylight and Views—Daylight		1	
1			d	Credit 8.2	Daylight and Views—Views		1	Direct line of sight to outdoors between 30 - 90" AFF for occupants in 90% of regularly occupied spaces.

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	Innovation and Design Process	Possible Points: 6	
			Notes:
I/C	Credit 1.1 Innovation in Design: Specific Title	1	
I/C	Credit 1.2 Innovation in Design: Specific Title	1	
I/C	Credit 1.3 Innovation in Design: Specific Title	1	
I/C	Credit 1.4 Innovation in Design: Specific Title	1	
I/C	Credit 1.5 Innovation in Design: Specific Title	1	
I/C	Credit 2 LEED Accredited Professional	1	
	Regional Priority Credits	Possible Points: 4	



	Regional Priority Credits	Possible Points: 4	
			Notes:
d/C	Credit 1.1 Regional Priority: Certified Wood	1	See M&R above.
d/C	Credit 1.2 Regional Priority: Innovative Wastewater Technologies	2	See WE above.
d/C	Credit 1.3		

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