

LEED 2009 for Commercial Interiors - Equivalency Scorecard

Project Name: OSU MacAlexander Field House Renovation
 Date: April 1, 2011

YES	NO	LEED CREDIT		Potential Points	Credited Points	Notes
19.5	1.5		SUSTAINABLE SITES	21 points possible		
4.5	0.5	SSc1	Site Selection			
		No	Option 1: Select a LEED Building	5	0	
		Yes	Option 2: Locate in a building that meets			
		No	Path 1: Brownfield Redevelopment	1	0	
		No	Path 2: Stormwater Design- Quantity Control	1	0	
		No	Path 3: Stormwater Design- Quality Control	1	0	
		Yes	Path 4: Heat Island Effect - Nonroof	1	1	40% of impervious, non-roof site areas are concrete; remainder asphalt
		Yes	Path 5: Heat Island Effect - Roof	1	1	Existing roof meets 29 reflectance for the 79.6% of roof with >2:12 slope
		Partial	Path 6: Light Pollution Reduction	1	0.5	Lights will be manually switched off from 12 midnight to 6 am daily (sim. 6 hrs)
		No	Path 7: Water Efficient Landscaping - Reduce by 50%	1	0	
		No	Path 8: Water Efficient Landscaping - No Potable Water Use or Irrigation	1	0	
		No	Path 9: Innovative Wastewater Technology	1	0	
		Yes	Path 10: Water Use Reduction: 30% Reduction	1	1	Refer to WEc1
		No	Path 11: On-site Renewable Energy	1	0	
		Yes	Path 12: Other Quantifiable Environmental Performance	1	1	State of Oregon rqmt. for 1.5% of construction cost toward solar power
6		SSc2	Development Density and Community Connectivity	6	6	OSU campus meets both Development Density and Community Connectivity
6		SSc3.1	Alternative Transportation - Public Transportation Access	6	6	Coravllis Transit System buses (4 lines) and OSU campus shuttle
1	1	SSc3.2	Alternative Transportation - Bicycle Storage & Changing Rooms	2	1	Bicycle racks avail. at entry; showers for 100% FTE are 360 yds away in Dixon
2		SSc3.3	Alternative Transportation - Parking Availability	2	2	No parking is provided or subsidized for tenant occupants
8.0	3.0		WATER EFFICIENCY	11 points possible		
Y		WEp1	Water Use Reduction - 20% Reduction	Required	Yes	Refer to WEc1
8	3	WEc1	Water Use Reduction			MEP engineer confirmed 37.4 % water use reduction
		Yes	30% Reduction	6		
		Yes	35% Reduction	2		
		No	40% Reduction	3		

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22.0	15.0		ENERGY & ATMOSPHERE	37 points possible		
Y		EAp1	Fundamental Commissioning of Building Energy Systems	Required	Yes	Commissioning authority (CxA) services are within scope of design services
Y		EAp2	Minimum Energy Performance	Required	Yes	Design complies with ANSI/ASHRAE/IESNA Standard 90.1-2007
Y		EAp3	Fundamental Refrigerant Management	Required	Yes	No use of chlorofluorocarbon (CFC)-based refrigerants
5		EAc1.1	Optimize Energy Performance - Lighting Power			SEED Report indicates 48.7% energy use reduction
			Yes 15% Reduction	1	1	
			Yes 20% Reduction	1	1	
			Yes 25% Reduction	1	1	
			Yes 30% Reduction	1	1	
			Yes 35% Reduction	1	1	
	3	EAc1.2	Optimize Energy Performance - Lighting Controls			
			No Daylight Controls for Daylit Areas	1	0	
			No Daylight Controls for 50% of the Lighting Load	1	0	
			No Occupancy Sensors for 75% of the Connected Lighting Load	1	0	
5	5	EAc1.3	Optimize Energy Performance - HVAC			
			No Equipment Efficiency	5	0	
			Yes Zoning Controls	5	5	Glumac confirmed
			OR			
			No Reduce Design Energy Cost and 15% Improvement	5	0	
			No Reduce Design Energy Cost and 30% Improvement	5	0	
4		EAc1.4	Optimize Energy Performance - Equipment and Appliances			OSU does not have standard reqmt. for EnergyStar purchasing.
			Yes 70% Energy Star	1	1	Dept. of Recreational Sports standard is for purchase of EnergyStar appliances and equipment where available
			Yes 77% Energy Star	1	1	
			Yes 84% Energy Star	1	1	
			Yes 90% Energy Star	1	1	
	5	EAc2	Enhanced Commissioning	5	0	
3	2	EAc3	Measurement & Verification			
			No Install Sub-Metering Equipment	2	0	Sub-tenant (Athletics) is not sub-metered
			Yes Tenant Pays for Energy	3	3	Dept. of Recreational Sports is metered and pays for utilities (steam, electricity)
			OR			
			No Metering, Measurement and Payment Accountability	5	0	
5		EAc4	Green Power	5	5	Renewable Energy Credits are included in OSU Climate Neutrality Plan, 10/2009

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5.5	8.5		MATERIALS & RESOURCES	14 points possible		
Y		MRp1	Storage & Collection of Recyclables	Required	Yes	OSU has a campus-wide recycling program with collection in place
1		MRc1.1	Tenant Space - Long Term Commitment	1	1	Dept. of Recreational Sports is owner occupant
	2	MRc1.1	Building Reuse - Maintain Interior, Non-Structural Elements			
		No	40% Reuse	1	0	
		No	60% Reuse	1	0	
2		MRc2.1	Construction Waste Management			Diversion report from general contractor indicates 91.2% waste recycle rate
		Yes	50% diverted from Disposal	1	1	
		Yes	75% diverted from Disposal	1	1	
	2	MRc3.1	Materials Reuse			
		No	5% Reuse	1	0	
		No	10% Reuse	1	0	
	1	MRc3.2	Materials Reuse - Furniture and Furnishings	1	0	
1.0	1.0	MRc4	Recycled Content			14% recycled content
		Yes	10% of Content	1	1	
		Partial	20% of Content	1	0	
1.5	0.5	MRc5.1	Regional Materials			
		Partial	20% of Materials Manufactured Regionally	1	0.5	15.8% manufactured regionally
		Yes	20% of Materials Manufactured and 10% Extracted Regionally	1	1	13% extracted regionally
	1	MRc6	Rapidly Renewable Materials	1	0	
	1	MRc7	Certified Wood	1	0	While specified, insufficient quantities of FSC wood were provided

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11.0	6.0		INDOOR ENVIRONMENTAL QUALITY	17 points possible		
Y		EQp1	Minimum Indoor Air Quality Performance	Required	Yes	Design meets min. rqmt's of Sec's 4 thru 7 of ASHRAE Standard 62.1-2007
Y		EQp2	Environmental Tobacco Smoke (ETS) Control	Required	Yes	Building prohibits smoking by all occupants and users as req'd
	1	EQc1	No Outside Air Delivery Monitoring	1	0	Not compatible with current control system
1		EQc2	Yes Increased Ventilation	1	1	Design included additional exhaust equipment
1		EQc3.1	Yes Construction IAQ Management Plan, During Construction	1	1	General contractor followed Construction IAQ Plan in project documents
1		EQc3.2	Yes Construction IAQ Management Plan, Before Occupancy	1	1	Flush-out provided per rqmt's for occupancy prior to completion
1		EQc4.1	Yes Low-Emitting Materials, Adhesives and Sealants	1	1	Submitted and installed products meet low-emitting design document rqmt's
1		EQc4.2	Yes Low-Emitting Materials, Paints and Coatings	1	1	Submitted and installed products meet low-emitting design document rqmt's
1		EQc4.3	Yes Low-Emitting Materials, Flooring Systems	1	1	Submitted and installed products meet low-emitting design document rqmt's
1		EQc4.4	Yes Low-Emitting Materials, Composite Wood & Agrifiber Products	1	1	Submitted and installed products meet low-emitting design document rqmt's
1		EQc4.5	Yes Low-Emitting Materials, Systems Furniture and Seating	1	1	Submitted and installed products meet low-emitting design document rqmt's
1		EQc5	Yes Indoor Chemical & Pollutant Source Control	1	1	Design meets entryway system, exhaust and filtration rqmt's
1		EQc6.1	Yes Controllability of Systems: Lighting	1	0	Lighting system controls are adjustable to meet group needs and preferences
	1	EQc6.2	No Controllability of Systems: Thermal comfort	1	0	Thermostats are provided but not controllable by occupants
0.5	0.5	EQc7.1	No Thermal Comfort, Design	1	0.5	Spaces w/ new cooling meet the standard; other spaces do not have cooling
	1	EQc7.2	No Thermal Comfort, Verification	1	0	Requires EQc7.1; OSU to conduct occupant survey 6-18 months after occ'y
0.5	1.5	EQc8.1	Daylight and Views			
			Partial 75% of spaces	1	0.5	60% of spaces receive daylight per rqmt's
			No 90% of Spaces	1	0	
	1	EQc8.2	Daylight and Views, Views for Seated Spaces	1	0	Distance from exterior walls too great

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6.0	0.0	INNOVATION & DESIGN	6 points possible		
1		IDc1.1 Building as Educational tool	1	1	OSU to provide signage explaining sustainability features
1		IDc1.2 Green Housekeeping	1	1	Dept. of Rec Sports standard housekeeping utilizes green cleaning practices
1		IDc1.3 Solar Ready Roof	1	1	Exist. roof provides large, low-slope surface of approx. 5,000 sf
1		IDc1.4 Avoidance of Air-Conditioning, with Reliance on Natural Ventilation for Cooling	1	1	Original steam FCU's refurbished; cooling was not added for main volume space
1		IDc1.5 Use of Carpooling for Contractor Staff During Construction	1	1	69% Carpooling rate for subcontractors to Project site
1		IDc2 LEED Accredited Professional	1	1	Multiple staff on design team as well as general contractor are accredited
2.0	2.0	REGIONAL PRIORITY	4 points possible		
2	4	RPC1 Regional Priority, Zip code 97331 (OSU, Corvallis, Oregon)			
		No Option 1: SSc1 - Site Selection - Option 2, Path 1	1	0	Refer to SSc1
		Partial Option 2: WEc1- Water Use Reduction, 40% Reduction	1	0.5	Refer to WEc1; 37.4% achieved
		Yes Option 3: EAc1.1 - Optimize Energy Performance - Lighting Power	1	1	Refer to EAc1.1
		No Option 4: MRc3.1 - Materials Reuse, 5%	1	0	Refer to MRc3.1
		Partial Option 5: MRc5 - Regional Materials, 20% of Materials Manufd and 10% Extracted	1	0.5	Refer to MRc5; 15.8% manufactured regionally, 13% extracted regionally
		No Option 6: MRc7- Certified Wood	1	0	Refer to MRc7
74.0	36.0	LEED 2009 for Commercial Interiors	110	74.0	Equivalent Level Attained: Gold

Certified: 40-49, Silver: 50-59, Gold: 60-79, Platinum: 80+
110 points possible: 100 base points + 6 Innovation & Design + 4 Regional Priority points

Oregon Department of Administrative Services Policy Manual No. 125-6-010, per Executive Order No. EO-00-07; Executive Order No. EO-03-03; ORS 184.421 through 184.470: LEED 2.0 "Certified" equivalence required.