



**LEED 2009 for New Construction and Major Renovation  
 Project Scorecard at Phase (300) 100% Schematic Design**

Project Name: Western Michigan University - Sangren Hall Renovation  
 SHW Group Project No.: 7109.007.00  
 Project Address: Kalamazoo, MI 49008

Yes	?	No		
23	2	1	<b>SUSTAINABLE SITES</b>	<b>26 Points</b>

Y									
	Prereq 1							<b>Construction Activity Pollution Prevention</b>	<b>Required</b>
1	Credit 1			0				<b>Site Selection</b>	<b>1</b>
5	Credit 2							<b>Development Density and Community Connectivity</b>	<b>5</b>
	Credit 3				1			<b>Brownfield Redevelopment</b>	<b>1</b>
6	Credit 4.1							<b>Alternative Transportation - Public Transportation Access</b>	<b>6</b>
	Credit 4.2		1					<b>Alternative Transportation - Bicycle Storage and Changing Rooms</b>	<b>1</b>
3	Credit 4.3							<b>Alternative Transportation - Low-Emitting and Fuel-Efficient Vehicles</b>	<b>3</b>
2	Credit 4.4							<b>Alternative Transportation - Parking Capacity</b>	<b>2</b>
	Credit 5.1		1					<b>Site Development - Protect or Restore Habitat</b>	<b>1</b>
1	Credit 5.2							<b>Site Development - Maximize Open Space</b>	<b>1</b>
1	Credit 6.1							<b>Stormwater Design - Quantity Control</b>	<b>1</b>
1	Credit 6.2							<b>Stormwater Design - Quality Control</b>	<b>1</b>
1	Credit 7.1							<b>Heat Island Effect - Nonroof</b>	<b>1</b>
1	Credit 7.2							<b>Heat Island Effect - Roof</b>	<b>1</b>
1	Credit 8							<b>Light Pollution Reduction</b>	<b>1</b>

Yes	?	No		
4	2	4	<b>WATER EFFICIENCY</b>	<b>10 Points</b>

Y									
	Prereq 1							<b>Water Use Reduction</b>	<b>Required</b>
	Credit 1		2	2				<b>Water Efficient Landscaping</b>	<b>2 to 4</b>
								Reduce by 50%	2
								No Potable Water Use or Irrigation	4
	Credit 2			2				<b>Innovative Wastewater Technologies</b>	<b>2</b>
4	Credit 3							<b>Water Use Reduction</b>	<b>2 to 4</b>
								Reduce by 30%	2
				0				Reduce by 35%	3
				4				Reduce by 40%	4

Yes	?	No		
14	5	16	<b>ENERGY &amp; ATMOSPHERE</b>	<b>35 Points</b>

Y									
	Prereq 1							<b>Fundamental Commissioning of Building Energy Systems</b>	<b>Required</b>
	Prereq 2							<b>Minimum Energy Performance</b>	<b>Required</b>
	Prereq 3							<b>Fundamental Refrigerant Management</b>	<b>Required</b>
7	Credit 1		3	9				<b>Optimize Energy Performance</b>	<b>1 to 19</b>
								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
				7				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
2	2	5	Credit 2	<b>On-Site Renewable Energy</b>	<b>1 to 7</b>
				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			Credit 3	<b>Enhanced Commissioning</b>	<b>2</b>
2			Credit 4	<b>Enhanced Refrigerant Management</b>	<b>2</b>
3			Credit 5	<b>Measurement and Verification</b>	<b>3</b>
		2	Credit 6	<b>Green Power</b>	<b>2</b>
Yes	?	No			

5	3	6	<b>MATERIALS &amp; RESOURCES</b>	<b>14 Points</b>
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Y			Prereq 1	<b>Storage and Collection of Recyclables</b>	<b>Required</b>
		3	Credit 1.1	<b>Building Reuse - Maintain Existing Walls, Floors and Roof</b>	<b>1 to 3</b>
				Reuse 55%	1
				Reuse 75%	2
				Reuse 95%	3
		1	Credit 1.2	<b>Building Reuse - Maintain Interior Nonstructural Elements</b>	<b>1</b>
2			Credit 2	<b>Construction Waste Management</b>	<b>1 to 2</b>
				50% Recycled or Salvaged	1
		2	Credit 3	75% Recycled or Salvaged	2
				<b>Materials Reuse</b>	<b>1 to 2</b>
				Reuse 5%	1
				Reuse 10%	2
1	1		Credit 4	<b>Recycled Content</b>	<b>1 to 2</b>
				10% of Content	1
				20% of Content	2
1	1		Credit 5	<b>Regional Materials</b>	<b>1 to 2</b>
				10% of Materials	1
				20% of Materials	2
		1	Credit 6	<b>Rapidly Renewable Materials</b>	<b>1</b>
1			Credit 7	<b>Certified Wood</b>	<b>1</b>
Yes	?	No			

12	2	1	<b>INDOOR ENVIRONMENTAL QUALITY</b>	<b>15 Points</b>
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Y			Prereq 1	<b>Minimum Indoor Air Quality Performance</b>	<b>Required</b>
Y			Prereq 2	<b>Environmental Tobacco Smoke (ETS) Control</b>	<b>Required</b>
1			Credit 1	<b>Outdoor Air Delivery Monitoring</b>	<b>1</b>
1			Credit 2	<b>Increased Ventilation</b>	<b>1</b>
1			Credit 3.1	<b>Construction Indoor Air Quality Management Plan - During Construction</b>	<b>1</b>
1			Credit 3.2	<b>Construction Indoor Air Quality Management Plan - Before Occupancy</b>	<b>1</b>
1			Credit 4.1	<b>Low-Emitting Materials - Adhesives and Sealants</b>	<b>1</b>
1			Credit 4.2	<b>Low-Emitting Materials - Paints and Coatings</b>	<b>1</b>
1			Credit 4.3	<b>Low-Emitting Materials - Flooring Systems</b>	<b>1</b>
1			Credit 4.4	<b>Low-Emitting Materials - Composite Wood and Agrifiber Products</b>	<b>1</b>
1			Credit 5	<b>Indoor Chemical and Pollutant Source Control</b>	<b>1</b>
1			Credit 6.1	<b>Controllability of Systems - Lighting</b>	<b>1</b>
		1	Credit 6.2	<b>Controllability of Systems - Thermal Comfort</b>	<b>1</b>



1			Credit 7.1	<b>Thermal Comfort</b> - Design	1
1			Credit 7.2	<b>Thermal Comfort</b> - Verification	1
	1		Credit 8.1	<b>Daylight and Views</b> - Daylight	1
	1		Credit 8.2	<b>Daylight and Views</b> - Views	1
Yes	?	No			

3	3	0	<b>INNOVATION IN DESIGN</b>	<b>6 Points</b>
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2	3		Credit 1	<b>Innovation in Design</b>	1 to 5
	1			Innovation or Exemplary Performance - Green Housekeeping	1
	1			Innovation or Exemplary Performance - Actively Educational Building	1
				Innovation or Exemplary Performance	1
				Innovation	1
				Innovation	1

1			Credit 2	<b>LEED® Accredited Professional</b>	1
Yes	?	No			

3	0	1	<b>REGIONAL PRIORITY</b>	<b>4 Points</b>
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3		1	Credit 1	<b>Regional Priority</b>	1 to 4
	1			Regionally Defined Credit Achieved - SS c2	1
	1			Regionally Defined Credit Achieved - SS c4.1	1
	1			Regionally Defined Credit Achieved - SS c7.2	1
				Regionally Defined Credit Achieved - MR c1.1	1

64	17	29	<b>PROJECT TOTALS (Certification Estimates)</b>	<b>110 Points</b>
Yes	?	No		

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