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UW— Technological Teaching Advances in a LEED Gold Facility



Gathering in the Atrium at the Grand Opening (UW Photo)



Main Entry (UW Photo)



Class time in the Auditorium. (UW Photo)



View from sidewalk at Ivins Street (UW Photo)

The latest advancements in technology and design were unveiled in 2010 with the new addition and renovation of the University of Wyoming (UW) College of Business building. The facility is a complete renovation of the existing 53,000 square foot structure, plus 112,000 square feet of new construction. The centerpiece of the new building is the Jonah Bank Atrium, which serves as a gathering spot for students and faculty and a site for college events. It is one of the stops on the tour for student recruits and campus orientation.

The bar has been raised for architectural excellence among new UW buildings. The design team created many wonderful spaces by combining modern materials with traditional materials and architectural features that connect this building to surrounding campus. Centrally located in the campus at the intersection of major pedestrian and vehicular circulation this building serves as a destination and a connection point between campus residential and academic activities.

While the facility reflects the excellence of the UW faculty, programs and students as a landmark new building, integral to the central part of the UW campus, its benefits are not limited by geographical borders. The building's technological advancements allow teaching to students throughout the state by using distance education capabilities such as online education and two-way video conferencing. It is a student-centered facility that offers unique business education opportunities, including a networked trading room for managing investments, a practice facility where students can hone their job interview skills, multimedia and behavioral labs and a fully furnished boardroom where students will experience board meetings conducted by regional firms.

The classroom spaces will accommodate a variety of teaching and learning methods. The new building also features a trading room, behavioral and multimedia laboratories, an executive boardroom, conference and seminar rooms and an auditorium. College of Business students benefit from the latest wired and wireless technologies, including high-definition playback and projection systems in each classroom, a video production and editing facility, video conferencing capabilities, financial data feeds and a stock ticker in the atrium.

Only the fourth business school nationally to achieve a LEED (Leadership in Energy and Environmental Design) Gold certification. The College of Business is the first state-funded and higher education building to become certified and only the ninth building in Wyoming to achieve gold status. This facility demonstrates lower operating costs and greater life cycle; reduced waste sent to the landfill; energy and water conservation; a healthier and safer environment for occupants; reduced greenhouse gas; and a commitment to environmental stewardship and social responsibility.

Some eco-friendly facts about the College of Business's new facility:

- 95 percent of the material from the old building was recycled to divert it from the local landfill.
- 10 percent of the new building is made of recycled content.
- Urinals use one cup of water per flush versus the standard one gallon.
- 90 percent of storm water is treated to remove a minimum of 80 percent of suspended solids from the water.
- Bike storage and shower facilities are available to encourage people to bike to work rather than drive.
- Water efficient landscaping reduces water usage by 50 percent or more compared to previous UW landscaping.
- The new building was designed to achieve an annual energy savings of 15 percent while the remodeled building will realize a 29 percent savings as compared to National averages.
- Outdoor air is be monitored to ensure carbon dioxide concentrations are within recommended standards.
- Janitorial closets are separately exhausted to minimize chemical and pollutant sources.



LEED-NC

LEED™ Scorecard

University of Wyoming College of Business
Laramie, WY

42	27	Total Project Score	Possible Points 69
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Certified 26 to 32 points Silver 33 to 38 points Gold 39 to 51 points Platinum 52 or more points

10		4		Sustainable Sites		Possible Points 14		6		7		Materials & Resources		Possible Points 13		
Y	?	N				Y	?	N	Y	?	N			Y	?	N
				Prereq 1	Construction Activity Pollution and Prevention				Prereq 1				Storage & Collection of Recyclables			
1				Credit 1	Site Selection	1			1				Building Reuse, Maintain 75% of Existing Walls, Floors and Roof	1		
1				Credit 2	Development Density & Community Connectivity	1			1				Building Reuse, Maintain 100% of Existing Walls, Floors and Roof	1		
			1	Credit 3	Brownfield Redevelopment	1			1				Building Reuse, Maintain 50% Interior Non-Structural Elements	1		
1				Credit 4.1	Alternative Transportation, Public Transportation Access	1		1	1				Construction Waste Management, Divert 50% from Landfill	1		
1				Credit 4.2	Alternative Transportation, Bicycle Storage & Changing Rooms	1		1	1				Construction Waste Management, Divert 75% from Landfill	1		
			1	Credit 4.3	Alternative Transportation, Low emitting and fuel-efficient vehicles	1			1				Resource Reuse, 5%	1		
1				Credit 4.4	Alternative Transportation, Parking Capacity	1			1				Resource Reuse, 10%	1		
1				Credit 5.1	Reduced Site Disturbance, Protect or Restore Habitat	1		1	1				Recycled Content, 10% (post-consumer+ 1/2 post-industrial)	1		
1				Credit 5.2	Reduced Site Disturbance, Maximize Open Space	1		1	1				Recycled Content, 20% (post-consumer+1/2 post-industrial)	1		
			1	Credit 6.1	Stormwater Management, Quantity Control	1		1	1				Regional Materials, 10% Extracted, Processed & Manufactured Regionally	1		
1				Credit 6.2	Stormwater Management, Quality Control	1			1				Regional Materials, 20% Extracted, Processed & Manufactured Regionally	1		
1				Credit 7.1	Heat Island Effect, Non-Roof	1			1				Rapidly Renewable Materials	1		
1				Credit 7.2	Heat Island Effect, Roof	1			1				Certified Wood	1		
			1	Credit 8	Light Pollution Reduction	1			1							
3		2		Water Efficiency		Possible Points 5		12		3		Indoor Environmental Quality		Possible Points 15		
Y	?	N				Y	?	N	Y	?	N			Y	?	N
1				Credit 1.1	Water Efficient Landscaping, Reduce by 50%	1			Y				Prereq 1	Minimum IAQ Performance		
			1	Credit 1.2	Water Efficient Landscaping, No Potable Use or No Irrigation	1			Y				Prereq 2	Environmental Tobacco Smoke (ETS) Control		
			1	Credit 2	Innovative Wastewater Technologies	1			1				Credit 1	Outdoor Air Delivery Monitoring	1	
1				Credit 3.1	Water Use Reduction, 20% Reduction	1			1				Credit 2	Increased Ventilation	1	
1				Credit 3.2	Water Use Reduction, 30% Reduction	1			1				Credit 3.1	Construction IAQ Management Plan, During Construction	1	
6		11		Energy & Atmosphere		Possible Points 17		1 <th colspan="2">1 <th colspan="2">Low-Emitting Materials</th> <th colspan="2">Possible Points 5</th> </th>		1 <th colspan="2">Low-Emitting Materials</th> <th colspan="2">Possible Points 5</th>		Low-Emitting Materials		Possible Points 5		
Y	?	N				Y	?	N	Y	?	N			Y	?	N
Y				Prereq 1	Fundamental Building Systems Commissioning				1				Credit 4.1	Low-Emitting Materials, Adhesives & Sealants	1	
Y				Prereq 2	Minimum Energy Performance				1				Credit 4.2	Low-Emitting Materials, Paints and Coatings	1	
Y				Prereq 3	Fundamental Refrigerant Management				1				Credit 4.3	Low-Emitting Materials, Carpet	1	
2				Credit 1.1	Optimize Energy Performance, 14% New / 7% Existing	2			1				Credit 4.4	Low-Emitting Materials, Composite Wood & Agrifiber Products	1	
2				Credit 1.2	Optimize Energy Performance, 21% New / 14% Existing	2			1				Credit 5	Indoor Chemical & Pollutant Source Control	1	
			2	Credit 1.3	Optimize Energy Performance, 28% New / 21% Existing	2			1				Credit 6.1	Controllability of Systems, Lighting	1	
			2	Credit 1.4	Optimize Energy Performance, 35% New / 28% Existing	2			1				Credit 6.2	Controllability of Systems, Thermal Comfort	1	
			2	Credit 1.5	Optimize Energy Performance, 42% New / 35% Existing	2			1				Credit 7.1	Thermal Comfort, Design	1	
			1	Credit 2.1	Renewable Energy, 2.5%	1			1				Credit 7.2	Thermal Comfort, Verification	1	
			1	Credit 2.2	Renewable Energy, 7.5%	1			1				Credit 8.1	Daylight & Views, Daylight 75% of Spaces	1	
			1	Credit 2.3	Renewable Energy, 12.5%	1			1				Credit 8.2	Daylight & Views, Views for 90% of Spaces	1	
1				Credit 3	Enhanced Commissioning	1			1							
			1	Credit 4	Enhanced Refrigeration Management	1			1							
1				Credit 5	Measurement & Verification	1			1							
			1	Credit 6	Green Power	1			1							
5				Innovation & Design Process		Possible Points 5		1 <th colspan="2">1 <th colspan="2">Innovation in Design</th> <th colspan="2">Possible Points 5</th> </th>		1 <th colspan="2">Innovation in Design</th> <th colspan="2">Possible Points 5</th>		Innovation in Design		Possible Points 5		
Y	?	N				Y	?	N	Y	?	N			Y	?	N
				Credit 1.1	Innovation in Design: Exemplary Performance for SSc5.2	1			1				Credit 1.1	Innovation in Design: Exemplary Performance for SSc5.2	1	
				Credit 1.2	Innovation in Design: Exemplary Performance for MRc4	1			1				Credit 1.2	Innovation in Design: Exemplary Performance for MRc4	1	
				Credit 1.3	Innovation in Design: Green Building Education	1			1				Credit 1.3	Innovation in Design: Green Building Education	1	
				Credit 1.4	Innovation in Design: Exemplary Performance for Wec3	1			1				Credit 1.4	Innovation in Design: Exemplary Performance for Wec3	1	
				Credit 2	LEED™ Accredited Professional	1			1				Credit 2	LEED™ Accredited Professional	1	