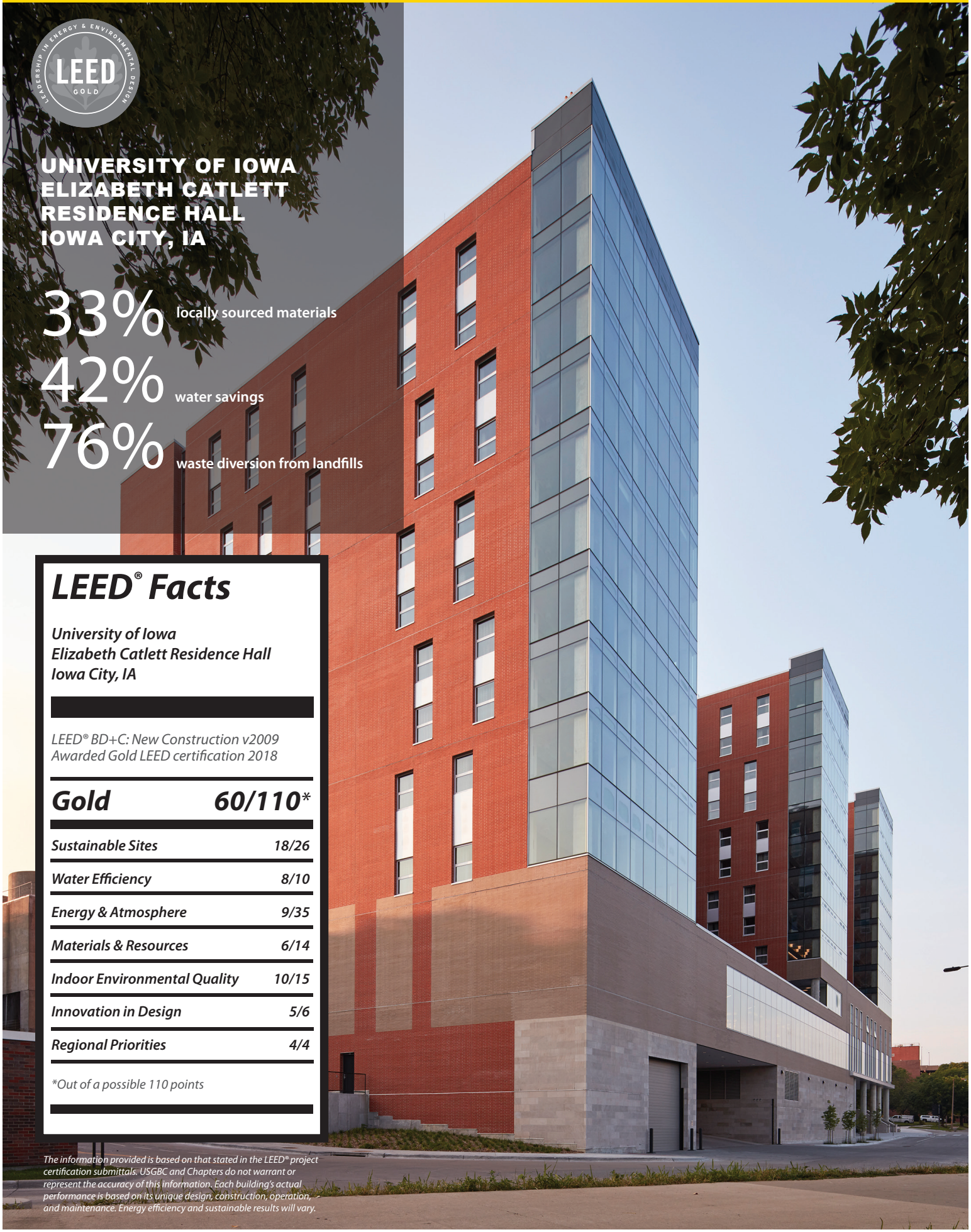
PROJECT PROFILE



UNIVERSITY OF IOWA ELIZABETH CATLETT RESIDENCE HALL IOWA CITY, IA

33% locally sourced materials

42% water savings

76% waste diversion from landfills

LEED® Facts

University of Iowa
Elizabeth Catlett Residence Hall
Iowa City, IA

LEED® BD+C: New Construction v2009
Awarded Gold LEED certification 2018

Gold	***60/110****
Sustainable Sites	*18/26*
Water Efficiency	*8/10*
Energy & Atmosphere	*9/35*
Materials & Resources	*6/14*
Indoor Environmental Quality	*10/15*
Innovation in Design	*5/6*
Regional Priorities	*4/4*

**Out of a possible 110 points*

The information provided is based on that stated in the LEED® project certification submittals. USGBC and Chapters do not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.

PROJECT PROFILE

UNIVERSITY OF IOWA ELIZABETH CATLETT RESIDENCE HALL

PROJECT BACKGROUND

Opened in fall of 2017, the 311,408-square-foot Elizabeth Catlett Residence Hall is the newest and largest residence hall on campus. The building is named to honor Elizabeth Catlett, a woman who was not allowed to live on campus because of her race and who expressed her desire to serve, stimulate, and raise people's awareness of their own potential through her art, as well as commemorate her commitment to justice and perseverance in the face of adversity. She was the first African American woman to receive an MFA degree, and would go on to become one of the most important American sculptors and printmakers of the 20th century.

Elizabeth Catlett Residence Hall, a three-story base structure with three nine-story towers atop, contains 526 single, double, triple, and quad rooms that house 1,049 students and offers impressive views of the Iowa River and access to the T. Anne Cleary Walkway. Each wing includes a community lounge and single-user, gender-inclusive restrooms. The three-story base structure incorporates the Catlett Market Place, a dining facility that serves approximately 2,000 meals per day, a large multi-purpose room, conference room/classroom, fitness center, laundry facilities, and Rocklin Learning Commons featuring a large-group study lounge and 10 private study rooms. Amenities include CamBus service, outdoor bicycle storage, ITC print station, lactation room, and sharps disposal containers.

STRATEGIES AND RESULTS

Elizabeth Catlett Residence Hall is the second residence hall on campus to achieve LEED certification for achieving high performance in sustainable site development, water savings, energy efficiency, materials selection, indoor environmental quality, and innovation. Overlooking the Iowa River on the former site of the City's Water Treatment Plant, a former brownfield site, the 12-story residence hall takes up nearly the entire block; however, the landscaped area adjacent to the building has been restored with native/adaptive vegetation, eliminating the need for irrigation. The area adjacent to the Iowa River has been developed into a grassy, open area that provides a place of respite for people to safely enjoy the natural beauty of the river. The campus is both walkable and has been named a Silver Bicycle Friendly University by the League of American Bicyclists. The University's CamBus service offers free public transportation to all and Zipcars have been provisioned throughout campus. The University's comprehensive alternative transportation plan has decreased the need for on-campus parking; no new parking was included in the scope of the project.

Aimed to assist in meeting the University's 2020 Sustainability Goals, all site pavement consists of white concrete to reduce the heat island effect. The high-performance building envelope includes energy efficient windows or daylighting throughout. The high-efficiency HVAC and lighting systems are controlled by occupancy sensors, reducing energy costs 24% below the baseline, saving thousands of dollars annually. To ensure the systems and equipment perform optimally, the building envelope and all on-site energy-consuming mechanical, electrical, and plumbing systems were commissioned. The ENERGY STAR-certified laundry and kitchen/dish-washing equipment and low-flow plumbing fixtures have contributed to an estimated annual savings of 42%.

A sound construction waste management plan resulted in 76% of waste diverted from the landfill. To maintain a high level of indoor air quality, a construction indoor air quality management plan was implemented, MERV 13 filtration media is used in the ventilation system to capture particulates, and the materials used inside the facility are low- or zero-VOC. To minimize waste and maximize resources, 25% of the installed materials have a high recycle content (based on material cost), and 33% of the materials were harvested, extracted, and manufactured within a 500-mile radius of the jobsite, also supporting the local economy.

The University of Iowa is a flagship public research university in Iowa City, Iowa. Founded in 1847, it is the oldest university in the state. Iowa is the second-largest university in the state of Iowa, and ranks 78th in the nation with 24,476 students. The University of Iowa is organized into 11 colleges offering more than 200 areas of study and seven professional degrees.

Miron Construction Co., Inc. is a forward-thinking, fast-growing private company and is the largest building contractor in the state of Wisconsin. Miron, headquartered in Neenah, Wisconsin, with regional offices in Madison, Wausau, Milwaukee, and Eau Claire, Wisconsin, and Cedar Rapids, Iowa, has been providing professional construction services to clients throughout the Midwest, with an expanded geographic reach across the United States for the past 100 years, has approximately 1,500 employees, and posted 2017 revenue of more than $1 billion. For more information, please visit www.miron-construction.com.







Owner: University of Iowa
LEED® Project Admin: Miron Construction Co., Inc.
Construction Manager: Miron Construction Co., Inc.
Architect: Rohrbach Associates, PC
Design Architect: Harley Ellis Devereaux
Civil Engineer/Landscape: Shive-Hattery, Inc.
Structural Engineer: Charles Saul Engineering, Inc.
MEP Engineers: Design Engineers
Building Automation System: Baker Group
Food Service: Robert Rippe & Associates, Inc.
Commissioning Agents: SSRCx & KFI
Energy Modeler: The Weidt Group
Project Size: 311,408 SF
Construction Budget: $95,000,000
Photography: Tom Harris, Harley Ellis Devereaux

ABOUT LEED

LEED is the most widely used green building rating system in the world. LEED provides a framework to create healthy, highly efficient and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement. Visit usgbc.org to learn more about LEED.

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