PROJECT PROFILE



LAKE MILLS ELEMENTARY SCHOOL
LAKE MILLS, WI

75% reduction in recorded allergy and asthma incidents

65% yearly energy savings

37% less water use

26 EPDs

LEED® Facts

Lake Mills Elementary School
Lake Mills, WI

LEED® v4 BD+C: Schools
Platinum Certification Awarded 2016

Platinum	***80/110****
Integrative Process	*1/1*
Location & Transportation	*10/15*
Sustainable Sites	*7/12*
Water Efficiency	*10/12*
Energy & Atmosphere	*27/31*
Materials & Resources	*8/13*
Indoor Environmental Quality	*7/16*
Innovation & Design	*6/6*
Regional Priority	*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.

LEED v4
PILOT PROJECT

PROJECT PROFILE

LAKE MILLS ELEMENTARY SCHOOL NEW CONSTRUCTION

PROJECT BACKGROUND

The Lake Mills Area School District's mission is to inspire their students to be life-long learners and responsible citizens with integrity. The goal of the project was to create a healthy, high-performance, 21st century learning environment. The Lake Mills Elementary School (LMES) project drivers included providing academic excellence, enhancing the relationship with the community, improving the environment/aesthetics, improving security and safety, and creating a cost-effective, practical, and sustainable solution.

LMES was the only K-12 school to pilot the LEED v4 Beta, and was the first K-12 school in the nation to achieve Platinum LEED certification, earning 80 out of 110 points. It received the US Department of Education's Green Ribbon and the Wisconsin DNR Green & Healthy Schools Sugar Maple award. These awards are a testament to the District's commitment to their mission and to successfully achieving the District's goals and project drivers.

STRATEGIES AND RESULTS

Delivered via an integrative design-build process, the team holistically worked together to deliver a flexible, cost-effective ($200/sf), two-story, 93,284-square-foot learning environment that serves 650 students.

Built on the existing elementary school site in the center of a residential neighborhood, it encourages alternative transportation by providing bicycle racks; encourages exercise via a two-station gymnasium for the community's Park and Recreation Program, on-site walking trails, and 119,430 square feet of athletic and playground areas; enhances safety via separate parent drop-off and bussing areas and a state-of-the-art security system; and enhances the environment by promoting rainwater infiltration via bioswales and restoring 129,920 square feet of native/adaptive vegetation.

Green features include a vegetated green roof, photovoltaic system, solar hot water system, operable windows, GreenGuard furnishings, and a web-based eco-screen, which have become more than just building elements—they've also become educational tools, providing hands-on learning opportunities for teachers, students, and the community. To further assist in promoting environmental education, 100% of the teachers earned credentials as Green Classroom Professionals.

Design strategies not only enable the school to reduce energy consumption by 65% and water by 37%, but more importantly have resulted in a 75% reduction in recorded asthma and allergy incidents, a 15% reduction in absenteeism, and a 425% decrease in the number of communicable diseases.

Additionally, nearly all standardized tests in science, social studies, reading, and math across all grade levels have improved. These significant findings attest to the impact the built environment has on the health and well-being of the staff and students, which is the ultimate triumph of sustainability.

ABOUT LAKE MILLS ELEMENTARY SCHOOL

The mission of the Lake Mills School District, located in Lake Mills, Wisconsin, is to provide an outstanding education that inspires students to be responsible citizens with integrity and life-long learners in an ever-changing world. The District serves approximately 1,350 students who reside in the City of Lake Mills and several surrounding rural communities. Lake Mills is a rural city with a strong sense of community, conservative values, an appreciation for the environment, and is supportive of the diverse academic needs of its students.

ABOUT MIRON CONSTRUCTION CO., INC.

Miron Construction Co., Inc. is a forward-thinking, fast-growing private company headquartered in Neenah, Wisconsin, with regional offices in Madison, Wausau, Milwaukee, and Eau Claire, Wisconsin, and Cedar Rapids, Iowa. Miron has been providing professional construction services to clients throughout the Midwest, with an expanded geographic reach across the United States, since 1918, and is listed among the top general contractors in the United States by *Engineering News Record*. For more information, please visit www.miron-construction.com.

"The Lake Mills School Board couldn't be more proud of the high-quality, healthy and safe facility that now serves as a sustainable pillar in the Lake Mills community that will provide an enhanced learning environment for generations to come."

Dean E. Sanders
Former District Administrator





Owner: Lake Mills Area School District
LEED® Project Admin: Miron Construction Co., Inc.
Commissioning Agent & Energy Modeler: Sustainable Engineering Group LLC
Architect: Eppstein Uhen Architects
Construction Manager: Miron Construction Co., Inc.
Project Size: 93,284 square feet
Project Budget: $18,700,000
Photography: C&N Photography

ABOUT LEED

USGBC's LEED green building program is the foremost program for the design, construction, maintenance and operations of green buildings, homes and communities. By using less energy, LEED-certified spaces save money for families, businesses and taxpayers; reduce carbon emissions; and contribute to a healthier environment for residents, workers and the larger community. Visit usgbc.org to learn more about USGBC and the LEED green building program.

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