

Thirty Years of Environmental Leadership

1978
Established as the Forest Resource Center, a nonprofit, member-supported educational institution, serving 800 individuals annually through classes on forest management.

1982
The Shiitake Mushroom Project established Eagle Bluff as the leading research center in the United States for shiitake mushroom cultivation on hardwood logs.

1992
Became a Regional Day-Use Facility for the environmental education of K-12 age students.

1997
Made the transition from a day-use to a Residential Center expanding the reach and increasing impact. Changed name to Eagle Bluff Environmental Learning Center.

2000
Added the Discovery Center Classroom Building to the campus which enhanced classes and curriculum.

2003
Began offering Programs for Adults and the Community to engage the regional audience and diversify outreach.

2008
Eagle Bluff's history of innovation through research, implementation, education and entrepreneurship positions it well for the 2010 Sustainability Campaign. Eagle Bluff welcomes 20,000 students and visitors per year.

Eagle Bluff Environmental Learning Center

Eagle Bluff is a private, non-profit 501(c) residential environmental learning center located in Lanesboro, Minnesota. Eagle Bluff believes that together we can make a lasting difference by connecting individuals to nature through education. Through experiential classes in an outdoor setting, Eagle Bluff students receive an inter-disciplinary, well-balanced perspective founded on the principles of responsible action and stewardship.

Our Program Areas...High Quality Experiences

K-12 Program:

Eagle Bluff has been a residential educational facility since 1997. As part of our Residential School Program schools stay three to five days at our facility and choose classes from a curriculum that focuses on Ecology, Earth and Physical Science, Nature Identification, Outdoor Skills, Challenge Skills and History and Culture. Teachers can select from a total of 29 classes, 10 large group natural history presentations and 15 evening activities that best tie into their current area of study. While the primary focus is the Residential School Program, also offered are day use and outreach programming including our live birds of prey presentation and STARLAB inflatable planetarium. All programs are accredited and aligned with Minnesota grades five through eight academic standards.

Community Programs:

Eagle Bluff reaches our surrounding six county area with Dinners on the Bluff, Mother's Day Brunch, Family Get Away Weekends, Community Ropes Course Events, Summer Residential Camps, Wellness Brunches, Environmental Film Series and general public Natural History programs. These programs provide quality educational opportunities for the surrounding communities.

Conferences and Retreats:

Eagle Bluff also provides customized experiences for groups. Each group has the opportunity to team build to foster communication and problem solving and/or experience nature while enjoying the hospitality, facilities and fine food found at Eagle Bluff.



28097 Goodview Drive
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Building Leaders for a Sustainable World

The 2010 Sustainability Campaign



Our Mission:

To foster environmental awareness and promote respect and personal responsibility.

Our Campaign Goals:

To become a carbon neutral demonstration facility

To educate students and communities about sustainability

To ensure the future through the use of sustainable practices

Our Vision for the Future

Now entering our 30th year, Eagle Bluff Environmental Learning Center is building on our experience and success as an educational innovator by embarking on a \$2.31 million Capital Campaign that will create a fully sustainable energy demonstration facility for students and adults and build leaders for a sustainable world. By creating a campus that is independent of fossil fuels and establishing the Center for Community Sustainability, Eagle Bluff will remain true to its mission and philosophy of hands-on learning by teaching participants what it means to live a sustainable lifestyle. Becoming a carbon neutral facility brings Eagle Bluff into the age of sustainable energy and ensures that children have access to experiences and educational resources to prepare them for the economic and environmental opportunities that sustainable energy will create for Minnesota.

“Our children's future will be decided by the actions we take today. The age of sustainable energy is here and Eagle Bluff is ready to get to work to help build the leaders for a sustainable future.”

**Joe Deden,
Executive Director,
Eagle Bluff ELC**



For more information see our website at: www.eagle-bluff.org

What We Will Accomplish

Enhancements to our campus include:

- Installing a geothermal system to heat and cool the residential campus
- Installing small wind generators on site and buying into a community wind farm or a bio-mass co-generation system
- Installing solar panels at the Schroeder Building
- Using prairie bio-mass to heat the Schroeder Building
- Owning two plug-in hybrid cars for outreach programs and off-site business

Enhancements to our programs include:

- Additions to Residential School Program
 - Sustainable Energy Class
 - Interpretative signage
 - Outreach programs
- Establishment of the Center for Community Sustainability
 - Wellness Brunches
 - Sustainable Energy Fair
 - Community Sustainability Workshops
 - Continual support of Dinners on the Bluff

Our Impact

Our experience positions us to lead the way by becoming an educational demonstration facility.

Each year, over 20,000 school children and adults will be living and learning the practices of sustainable energy. This opportunity will provide information and education that will bring about behavioral changes and provide them with practices that they will be able to take back and implement in their homes, schools and communities.

By the end of 2010, Eagle Bluff will be releasing 80% less CO² into the atmosphere (emissions will be measurable, verifiable and available each day on the website). We will be 100% carbon neutral once the organization has offset all transportation and operational related emissions.

A new generation of advocates will lead the charge to a cleaner environment.

We will be an educational resource for individuals and communities in all areas of sustainability.

More people will turn to the Eagle Bluff model when planning and determining their building projects, whether it's their home, school, church or business.

Eagle Bluff will save over \$80,000 each year in energy costs, enabling the organization to keep participation fees low, provide more scholarships, support the enhancement of our programs, and be less dependent on outside sources of funding.

Finally, sustainable energy is the economic engine of the 21st century. A study by the Union of Concerned Scientists projects that a "20% renewable energy standard would create 5,000 new high-tech manufacturing, construction, operation and maintenance jobs in Minnesota." Many of these jobs would be created in rural areas where the resources and facilities would be located.

"After our experience at Eagle Bluff, we installed three large rain gardens at our school. This has resulted in a reduction of the school's water utility bill. A district-wide adoption of a similar program will result in saving the district and the taxpayers money."

Darwin Lee,
Kenny Community School

Our Current Sustainability Practices

Eagle Bluff has already implemented small - but significant - steps towards sustainability. To date these improvements have been implemented and are practiced by staff, students and participants.

Small Wind and Solar:

A small wind turbine and solar panel have been added to the campus to run trail and entrance lights.

Compact Fluorescent Lighting:

All traditional incandescent bulbs at Eagle Bluff have been switched to compact fluorescent (more efficient by 66%, thereby reducing CO² emissions).

Automatic Light Switches:

Automatic sensors have replaced traditional switches, turning lights on and off according to their use.

FoodWISE Program:

Food WISE challenges participants to lower the amount of food waste produced during their stay by giving them incentives for food waste reduction. The minimal amount of food that is wasted is composted on-site.

Food Production:

Eagle Bluff utilizes an on-site greenhouse to supplement produce used in the kitchen.

Project Budget

Geothermal heating and cooling system	\$500,000
Small wind turbines	\$100,000
Buy into a community wind farm or a bio-mass co-generation system	\$900,000
Solar Energy panels	\$100,000
Biomass Gasifier or Pyrolysis System	\$400,000
Two plug-in Hybrid Cars	\$60,000
Current Campus Energy Upgrade to implement energy audit solutions	\$100,000
Fundraising and administration - 7% of expenses	\$150,000
Total:	\$2,310,000

For more information about Eagle Bluff Environmental Learning Center see our website at: www.eagle-bluff.org

