

WISCONSIN ENVIRONMENTAL EDUCATION BOARD



2007-2009 BIENNIAL REPORT



A STATE BOARD TO PROMOTE ENVIRONMENTAL EDUCATION IN ALL SEGMENTS OF SOCIETY

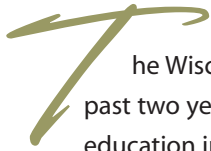


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October 2009



The Wisconsin Environmental Education Board (WEEB) has worked conscientiously the past two years to maintain earlier successes and initiate new paths for environmental education in our state.

With the passage of the 2009-2011 biennial budget, the Environmental Education Consultant position, administered through the Department of Public Instruction, was re-established.

Tasks to be performed by the consultant include:

- Provide leadership in the design, redesign, implementation and evaluation of the state *Model Academic Standards for EE*.
- Identifying, analyzing, and synthesizing promising approaches to improving EE learning by schools, districts, organizations and institutions in the state.

Although not yet staffed, this position will be an integral piece in the Board's effort to promote environmental education within the state's PK-12 and higher education institutions.

Passage of the budget bill also led to a change in the funding for the WEEB's general grant program. The environmental surcharge was increased from 10% to 20% of the amount of the forfeiture or fine imposed for the violation of an environmental law. It is anticipated this change will provide an additional \$40,000 per year for distribution through the EE grant program.

This report provides an overview of the projects made possible by WEEB financial support. The variety of projects is exciting. It speaks to the importance of and need for environmental education literacy for all citizens of our state.

Every day we find ourselves making decisions that impact the environment. Environmental education ensures that our heritage of concern and stewardship for our environment will continue for generations to come.

The WEEB will continue to provide leadership and opportunities to make this happen.

Okho Bohm Hagedorn, Chairperson



JIM DOYLE
GOVERNOR
STATE OF WISCONSIN

November 2009

Dear Reader:

Wisconsin has a long and proud tradition of enjoying and protecting our natural resources. It's not just something we do; it's a part of who we are. The Wisconsin Environmental Education Board's work to promote environmental literacy across all age groups is of particular importance, because protecting our environment is not just one person's or group's responsibility. Everyone must play a part.

This year, despite tough economic times, my state budget restored the environmental education consultant position to the Department of Public Instruction. I want to give strong state support to our K-12 schools in their efforts to ensure that knowledge of environmental concepts and traditions of responsibility and service to protect the environment are passed from one generation to the next.

Yet the job of building sustainable communities is not just one for our schools and students. That is why I created task forces dealing with clean energy, waste materials recovery and disposal, and water conservation--each of which has made recommendations related to environmental education. Moreover, the Departments of Public Instruction, Natural Resources, Children and Families, Health Services, and Tourism are working together on environmental education and outdoor initiatives.

WEEB and its partners have built a strong foundation for environmental education in Wisconsin. I look forward to working with WEEB to continue promoting environmental education for all.

Sincerely,

A handwritten signature in black ink that reads "Jim Doyle". The signature is written in a cursive, flowing style.

Jim Doyle
Governor



To create a bright Wisconsin future, we must preserve a healthy environment where all citizens can benefit from this state's abundant natural resources. The first step is to educate our residents, government officials, business leaders, students and others about the value of conserving our natural resources. That's where WEEB comes in -- as a credible source of education and research-based information, empowering people with the knowledge they need to preserve Wisconsin's precious natural areas. This work has always been a high priority for the state's public university, and I believe that WEEB deserves our full support.

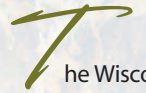
Kevin Reilly, President University of Wisconsin System



Environmental education is vital to our future. For many years to come, Wisconsin students will be faced with important decisions about our environment and its impact on social and economic issues. The Wisconsin Environmental Education Board (WEEB), through its grants program, offers an important pathway for educators and citizens alike to work with students to build this future. Through these efforts, we develop students who will become citizens with a personal sense of responsibility for our environment.

As I begin my service as your State Superintendent, I know how important it is for all students in our state to become environmentally literate. My goal as State Superintendent is to ensure that every child is a graduate. Environmental education can engage students in meaningful ways to gain deeper knowledge and skill in science and mathematics as well as in English language arts, social studies, the arts, health and physical education, world languages, and international education. Partnerships, such as that connecting the Department of Public Instruction with the Wisconsin Environmental Education Board, will be a key to our success. I look forward to working with the Wisconsin Environmental Education Board and ask you to join in this collaborative effort to ensure quality environmental education for every child in Wisconsin.

Tony Evers, State Superintendent of Public Instruction



The Wisconsin Technical College System is a proud partner of the Wisconsin Environmental Education Board, which empowers Wisconsin citizens to make wise environmental decisions and take responsible actions at home, in school, at work, and in the community. This valuable work—whether through environmental leadership development, competitive grant awards, or balanced advocacy for our natural environment—results in the conservation of the natural resources so important to the ecology and economy of Wisconsin and the nation.

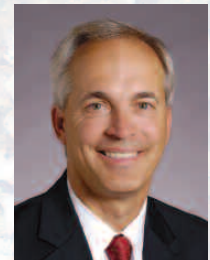


Together, education is the powerful tool the 16 technical colleges bring to the table. If used effectively, education enhances our ability to preserve Wisconsin's rich natural resources far into the future. As Wisconsin's technical colleges continue to develop cutting-edge programs in renewable energy and green technologies, and to "green" colleges' facilities, we applaud the efforts of WEEB to increase environmental awareness among all Wisconsin citizens.

Daniel Clancy, President Wisconsin Technical College System



Ask Wisconsinites what makes this a great state and you'll often hear, "the lakes and rivers; parks; wildlife; clean environment." Wisconsin's natural resources make this state a place we like to call home.



At the Department of Natural Resources we work to protect and enhance our state's natural resources. Keeping Wisconsin a great place to live requires an educated citizenry that is both knowledgeable and willing to take action on behalf of the environment. WEEB helps provide Wisconsin's citizens with the information and resources they need to be good stewards of the environment. The Dept. of Natural Resources is proud to be a part of the Wisconsin Environmental Education Board.

Matthew J. Frank, Secretary Wisconsin Department of Natural Resources

Agriculture

Will Allen, Milwaukee 2006-2007

Darlene Arneson, Madison 2007-

Business & Industry

Mike Krysiak, Green Bay 2004-

Conservation and Environmental Organizations

David Wisnefske, Monroe 2004-2009

David Callewaert, Franksville 2009-

Department of Natural Resources

Matthew Frank, Secretary 2007-

Vance Rayburn, Designee, Madison 2004-

Department of Public Instruction

Elizabeth Burmaster, Superintendent 2001-2009

Tony Evers, Superintendent 2009-

Shelley Lee, Designee, Madison 1999-2009

Energy Industry

Janet Brandt, Madison 2002-2007

Okho Bohm Hagedorn, Shawano 2007-

Environmental Educators

Pat Marinac, Iola 1998-2008

Kathe Crowley Conn, Monona 2008-

Forestry

Gerry Mich, Appleton 2005-

Higher Education

Steve Sandstrom, Ashland 2005-2008

Scott Ashmann, Green Bay 2008-

Labor

William Neuhaus, Kenosha 1990-

Legislative Representative, State Assembly

Donald Friske, Merrill 2005-

Louis Molepske, Stevens Point 2005-

Legislative Representative, State Senate

Neal Kedzie, Elkhorn 2003-

Fred Risser, Madison 2003-

Nature Centers/Museums/Zoos

Gail Gilson-Pierce, Eagle River 2004-2007

Debra McRae, Franklin 2007-

University of Wisconsin-System

Kevin Reilly, President 2004-

Robin Harris, Designee, Madison 1996-

Wisconsin Technical College System

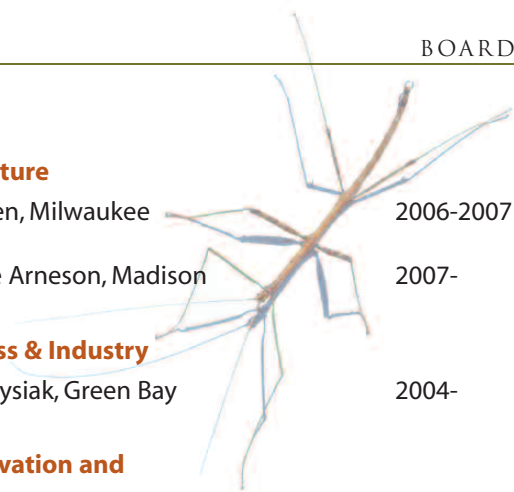
Daniel Clancy, President 2004-

Jim Gibson, Designee, Madison 2000-2008

Randy Zogbaum, Designee, Madison 2008-

Ginny Carlton
Administrative Liaison

Randy Champeau
WCEE Liaison



THE WISCONSIN ENVIRONMENTAL EDUCATION BOARD (WEEB)



The Wisconsin Environmental Education Board (WEEB) is made up of the Secretary of the Department of Natural Resources; the Superintendent of the Department of Public Instruction; the President of the University of Wisconsin System; the President of the Wisconsin Technical College System; one majority and one minority party senator and one majority and one minority party representative; and nine members representing environmental educators, conservation and environmental organizations, business and industry, agriculture, labor, faculty of public and private institutions of higher education, energy industry, forestry, and nature centers, museums and zoos.

The WEEB employs one part-time staff person (0.5 FTE on GPR funds with additional time as contracts allow). The employee is supervised via the administrative structure of the College of Natural Resources, University of Wisconsin-Stevens Point.

OUR MISSION

To provide leadership in the development of learning opportunities that empower Wisconsin citizens with the knowledge and skills needed to make wise environmental decisions and take responsible actions in their personal lives, workplaces, and communities.

OUR PRIMARY DUTIES ESTABLISHED BY 1989 WISCONSIN ACT 299 ARE TO:

- Identify needs and establish priorities for environmental education in Wisconsin.
- Create and maintain a competitive grants program that is in accordance with the needs and priorities identified by the Board through continual appraisal and evaluation.
- Be a catalyst in seeking private funds in support of the grants program.

OUR FOUR CENTRAL PURPOSES ARE TO:

- Provide positive leadership, advocacy and policy making in the area of environmental literacy and education.
- Support the development of local leaders and their fellow citizens to become environmentally aware and concerned enough to act positively on environmental issues.
- Advocate the development and implementation of interdisciplinary environmentally-based curricula at all levels of the educational system.
- Support the continuing professional development of staff working at all levels of formal or informal education to enable them to accomplish needed environmental education goals.

THE STATUS OF ENVIRONMENTAL EDUCATION IN WISCONSIN

The WEEB's primary avenue for promoting environmental education is through grants to local, regional, and statewide projects. All the grants awarded within the timeframe of this biennial report (2007-2009) are highlighted within the "Grant Program" section of this document. A few projects are highlighted within this portion of the report as documentation of the WEEB's efforts to achieve its four central purposes.

CENTRAL PURPOSE ONE

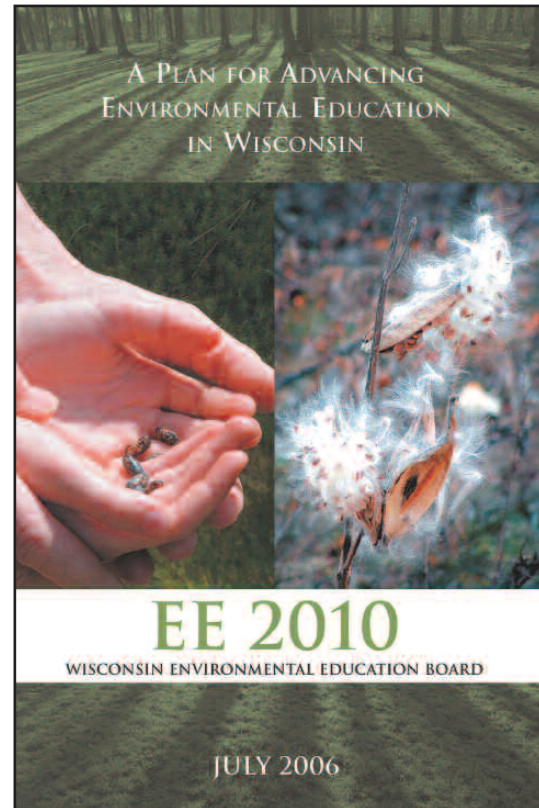
LEADERSHIP, ADVOCACY AND POLICY MAKING

Since its inception, the Board has been a very active, hands-on working group. In addition to operating an environmental grants program, the Board has become recognized as a consensus-building group on environmental education issues. The unique make-up and mission of the Board position it to provide needed leadership to environmental education while recognizing the importance of building common purpose and direction among diverse stakeholders.

The Board's strategy for leadership, advocacy and policy making has included strategic planning, coalition building, advocating for additional staff resources, and enhanced networking and communication.

STRATEGIC PLANNING

The WEEB strives to review and revise its state EE Plan on a five-year basis. It believes this timeframe allows the plan to maintain the state's strong EE heritage and respond to contemporary circumstances while at the



same time establishing a proactive agenda. On a ten-year cycle (i.e., in 2010, 2020, etc.), the WEEB hopes to provide for enhanced public input as part of its planning process.

EE 2010 identifies seven major priorities. They are:

- Focus content of environmental education on holistic outcomes.
- Support and enhance cooperation and communication within the environmental education community.
- Support and enhance environmental education in PreK-12 schools.
- Support and enhance implementation of environmental literacy in institutions of higher education.
- Support and enhance the expansion of non-formal and non-traditional environmental education.
- Develop a research and evaluation agenda for environmental education.
- Secure long-term funding for environmental education in Wisconsin.

Copies of the plan are available from the WEEB office or it may be viewed on the WEEB website.

Initial steps to create the *EE2015* document are underway.

COALITION BUILDING/ ENVIRONMENTAL LITERACY PLAN

The WEEB has worked with the Department of Natural Resources, the Department of Public Instruction, the Wisconsin Association for Environmental Education, the Wisconsin Center for Environmental Education, the Wisconsin Environmental Education Foundation, and the Environmental Education and Training Partnership programs to initiate and facilitate Wisconsin's No Child Left Inside Coalition. This group has been charged with the task of creating an environmental literacy plan for Wisconsin. When completed the plan will include:

- Specific content standards, content areas, and courses or subjects where instruction will take place.
- A description of how state high school graduation requirements will ensure that graduates are environmentally literate.
- A description of programs for professional development of teachers to improve their environmental content knowledge, skill in teaching about environmental issues, and field-based pedagogical skills.
- A description of how the state education agency will measure the environmental literacy of students.
- A description of how the state education agency will implement the plan, including securing funding and other necessary support.

It is hoped that by bringing the resources of each of these institutions to the table, the final plan will reflect the aspirations of a very diverse group of stakeholders.

SUPPORT FOR DPI EE CONSULTANT POSITION

With the passage of the State's 2009-2011 biennial budget, the Environmental Education Consultant position, administered through the Department of Public Instruction, was re-established.

Although not yet staffed, this position will be an integral piece in the Board's effort to promote environmental education within the state's PK-12 and higher education institutions.

Tasks to be performed by the consultant include:

- Provide leadership in the design, redesign, implementation and evaluation of the state *Model Academic Standards for EE*.
- Identifying, analyzing, and synthesizing promising approaches to improving EE learning by schools, districts, organizations and institutions in the state.
- Collaborate with state and national higher education institutions implementing the federal No Child Left Behind Act under Title 2, Part B.

It is anticipated this individual will also work with federal institutions in an effort to bring federal grant dollars into Wisconsin.

ENHANCED NETWORKING AND COMMUNICATION

During the fall of 2008, the WEEB improved its own website to meet accessibility guidelines (specifically section 508 guidelines) and to provide a more visually appealing and user friendly site. The website has become *the* primary tool for informing Wisconsin residents about the WEEB's work. The site now:

- provides a structure for the strategic committees to disseminate information about their work
- provides easier access to grant application materials
- highlights previously funded grant projects through a database and "snap-shot" pages
- includes information about the work of the Wisconsin Environmental Education Foundation (the Board's supporting 501(c) (3) fundraising organization)

We encourage you to surf the content at www.uwsp.edu/cnr/weeb



The Board also provided a grant to Nature Net to facilitate additional networking opportunities within the environmental education community.

Nature Net **\$4,999**
Strengthening the Statewide EE Community

At the December 2004 EE Forum, and in a 2005 Wisconsin Association for Environmental Education survey, EE stakeholders expressed the need for strengthened communication among the EE community. This project 1) brought regional EE providers together to establish relationships and common regional goals, 2) provided the framework for continued communication via an online forum, 3) established regional leaders who helped to advance regional EE goals and spearheaded communication amongst regional members and 4) revitalized the existing interactive regional map and link it to websites where EE resources are consolidated, namely the WAEE website and the *EE in Wisconsin* website.

At its core, this project supported and enhanced cooperation and communication and established a long-term means of regional communication within Wisconsin's EE community.



Specifically, the project resulted in the creation of *CommunitEE* an on-line discussion forum available at <http://naturenet.com/discussion/user/CreateUser.aspx>

POLICY MAKING

Objective I.4 within the EE2010 document states, *"Provide learning opportunities that foster the understanding of the interrelationship between environment and economics."*

Two grant projects to the Center for Land Use Education that attempted to do that are highlighted here.

Center for Land Use Education **\$4,855**
Building Awareness for Forest and Forestry in the Community Planning Process

State legislation adopted in 1999 (s.66.1001 Wis. Stats.) requires that by January 1, 2010 all communities that make land use decisions, including those that impact forest lands, do so consistent with their comprehensive plan.

Although no new materials were produced for the project, one goal was distribution of materials that had already been created. Twenty-one different resources were distributed including:

- 🍃 Smart Forestry for Smart Growth (PUB FR-243-2003)
- 🍃 Wisconsin Forest Management Guidelines
- 🍃 Multiple Benefits from Forest Management (PUB FR-014-2002)
- 🍃 Marketplace Matters-Understanding the economic value of Wisconsin forests (PUB FR-337-2005)
- 🍃 Wisconsin Land Use Megatrends.

Another goal of the project was to reach a diverse target audience. Nine presentations were conducted to provide information and hands-on experience on how to use existing tools to effectively reach forest land planning goals.

- 🍃 Woodland Leaders Institute-*"Private Property Rights and Public Interest in Land Use Policies"*
- 🍃 Wisconsin Town's Association Annual Meeting -*"Is it Better to Grow Trees-Or Houses?"*
- 🍃 State Sierra Club Autumn Assembly-*"Implementation is not a Dirty Word-working with local government to make things happen"*
- 🍃 Wisconsin Land and Water Conservation Association Meeting-*"The Dynamic Changes in Forestry Today"*
- 🍃 Resource Conservation and Development Training Meeting-*"Protecting Working Forests-how you can help"*
- 🍃 County Planners Annual Meeting- *"Protecting Working Forests-how you can help"*
- 🍃 DNR Foresters Meeting-*"Forest Planning Tools-ways to serve Comprehensive Planning Grant recipients"*
- 🍃 Tri-State Forest Stewardship Conference-*"Protecting Working Forests Through Local Public Policies"*
- 🍃 Wisconsin Chapter of the American Planning Association Spring Conference-*"Sustainable Farming and Forestry Practices"*

There is still a need for land use planning for forested land. According to the *2008 Wisconsin Local Land Use Regulations and Comprehensive Planning Status Report* released by the Wisconsin Department of Administration, 420 towns, 199 cities and villages, and 39 counties were currently in the process of creating comprehensive plans and 371 towns, 143 cities and villages and 12 counties had not yet begun the comprehensive planning process.

Center for Land Use Education **\$2,529**
Energy and Land Use: A Pressing Issue for City and Village Officials

The project created a 12-page full color publication targeted to city and village officials to provide information about what worldwide energy trends mean in Wisconsin. The publication includes:

- ☛ an energy infrastructure map (% of energy imported)
- ☛ energy consumption by economic sector and trends over time
- ☛ energy conservation accomplishments to date
- ☛ land use impacts of conventional energy systems
- ☛ land use impacts of renewable energy systems
- ☛ effects of community design on energy use (LEED for buildings, density of development)
- ☛ transportation statistics such as miles paved per capita, spending on roads, and public transit data

The full document is available on the Land Use Center's website at: <http://www.uwsp.edu/cnr/landcenter/Publications/EnergyMegatrends.pdf>

CENTRAL PURPOSE TWO

DEVELOPMENT OF LOCAL LEADERS

Since environmental literacy includes citizen action experiences it is not surprising that the WEEB has on-going efforts to encourage and financially support programming to develop local leaders. Objective V.3 within the EE2010 document states,

"Encourage community based EE, including programming designed for adult participants and/or the involvement of non-traditional audiences."

Many of these programs are based on a "train-the-trainer" model in which one individual receives training with the understanding that he/she will then train additional individuals.

A review of the 2007 and 2008 grant award lists (pages 18 to 43) will reveal several projects with "leadership," "leaders," or "service learning" in the title. Three projects designed to develop local leaders are highlighted here.

Friends of St. Croix Headwaters **\$4,200**
The Introduction of Sustainable Tourism to Douglas County

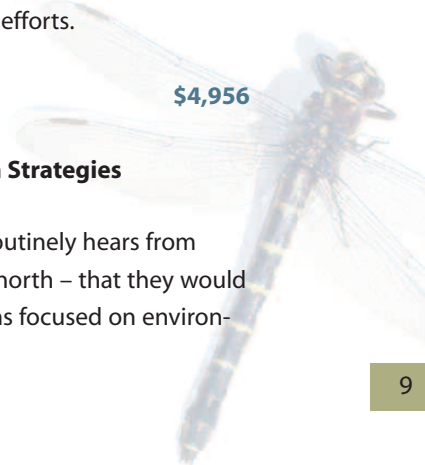
A number of organizations joined the Friends of the St. Croix Headwaters in a sustainable tourism planning project and participated in initial discussions and meetings. The project goal was to enable local leaders to provide an effective introduction to local decision-makers and business leaders as to what sustainable tourism (eco-tourism) is and how it directly applies to Douglas County's economic development challenges.



Four June 2008 events (A Watershed Conference, Wild & Scenic Film Festival, Festival of Arts, and St. Croix Riverfest) resulted from these initial citizen efforts.

River Alliance of Wisconsin **\$4,956**
Training Citizens in Effective Environmental Communication Strategies

The River Alliance of Wisconsin routinely hears from citizens – especially those in the north – that they would like to participate in public forums focused on environ-



mental issues, but feel ill-equipped to present effective, credible and fact-based testimony when the debate or discussion becomes heated or emotional. As a result, citizens provide testimony that lacks credibility, attend hearings but do not testify, or just avoid these public hearings altogether.

This project provided the knowledge, skills and tools to these silent citizens to give them a sense of empower-

ment to participate in public decisions affecting our environment, and to ensure their values were heard by decision-makers.



Specifically, the River Alliance staff developed a one-day workshop format that included: river biology, ecology and hydrology background information as it pertains to current water quality issues; strategies for effective oral communications in public

forums; strategies for effective written communication; and developing individual action plans to use their new-found knowledge and skills. These one-day workshops were held in three separate northern Wisconsin locations to allow for the development of a regional approach to environmental advocacy based on regional water issues, and to ensure participants did not have to travel great distances to attend.

CENTRAL PURPOSE THREE

CURRICULUM DEVELOPMENT, DISSEMINATION AND IMPLEMENTATION

The WEEB's efforts to promote quality environmental education opportunities for all segments of society (pre-schoolers to adult learners) in multiple settings (schools, nature centers, parks, workplaces, etc.) has continued to be the foundation for developing lifelong learners that are informed and involved citizens who will help ensure an ecologically and economically sustainable environment. Three projects are featured here.

Chetek School District Mapping Water Quality Data in the Red Cedar River Watershed

\$4,955

Students have struggled to make connections between printed maps of the watershed, downloaded aerial photographs, and on-the-ground observations. Students have had difficulty associating features they see on the ground with features seen on maps. Students have also found it difficult to communicate their findings using printed maps.

In this project, interdisciplinary curricula was developed in science and social studies to incorporate Global Positioning System (GPS) technology, digital mapping, and digital photography to meet Wisconsin State Standards in both science and social studies. Using handheld GPS units and digital mapping software, students were better able to make connections between maps and on-the-ground observations. Locations on maps and in the field were easily compared using GPS technology.

Students used this technology to identify watershed boundaries, land usage patterns, and water sampling locations. Results were reported to the community. Students took digital photographs of sampling locations and land features throughout the watershed, and associated them with map locations to help community members visualize real map locations.

By being involved in hands-on environmental activities students meet the goals of environmental education. Incorporating technology in this project gave students a chance to learn skills and build experiences not possible through traditional teaching methods.



**Port Washington School District \$5,000
Biodiesel Processing Initiative**

The project incorporated the knowledge gleaned from the cutting edge research to get the students directly involved in making biodiesel. Students took used vegetable oil from the school district’s kitchens and processed it into biodiesel fuel. To complete the cycle the district used the biodiesel in a diesel powered lawn tractor. The students researched the effects of using biodiesel fuel on the engine. With the information gathered, the students educated the community about biodiesel through the use of advertisements, newspaper articles, seminars, and tours.



The main outcome was that students and staff worked together to achieve the goal of producing biodiesel from a waste product generated in the district. Other outcomes included learning chemistry from the manufacture and quality testing of the biodiesel, learning engine mechanics to determine effects of biodiesel usage on a diesel engine, learning business management to determine costs and profits, and using communication skills to educate the community about biodiesel and its effects on the Wisconsin economy.

**School Forest Education Plans over \$300,000
60 school districts**

Since the program’s inception in 2005, the Board has invested over \$300,000 to assist 60 school districts with their efforts to create a school forest education plan.

- These written plans provide detail related to:
- the rationale for having the school forest,
 - the school forest site,
 - the educational connections that can be made at the school forest or to the school forest,
 - the methods the district intends to use to sustain the school forest program in the short and long term.

The plans also provide the foundation upon which future site management, curricular, and staff development decisions are made.

With the 2008 grant cycle, the Board limited eligibility for the school forest education implementation grant funds to districts that have a registered school forest and approved school forest education plan and management plan on file.

CENTRAL PURPOSE FOUR PROFESSIONAL DEVELOPMENT

Environmental education is a lifelong learning process. Programs should address the needs of all citizen ages, from all walks of life. The more environmentally literate Wisconsin citizens are, the better equipped they are to participate in public decisions affecting our working, living and recreational environments.

While many grants were provided for the professional development of teachers within our K-12 schools, several grant projects provided educational opportunities for other professionals.

**Friends of Beaver Creek Reserve \$5,000
Aquatic Invasive Species Education in
Five Western Wisconsin Counties**

This project created a network of professionals (Wisconsin Department of Natural Resources, UW-Extension, Wisconsin Association of Lakes, and US Fish and Wildlife Service) and citizens from organized lake groups within the project area who are dedicated to preventing the spread of aquatic invasive species. Individuals were trained to conduct monitoring and watercraft inspection.



Dane County Parent Satellite Family Child Care Early Childhood Environmental Learning and Literacy Initiative **\$1,000**

Early childhood educators were able to attend either the “Kids and Nature” workshop presented by Cheryl DeWalt Robinson and/or the “Wildlife in Your Own Backyard-A Sense of Wonder” workshop presented by David Stokes. The workshops used music, print resources, hands-on-activities and discussions to provide a wealth of information to share with children about wildlife and the environment. The “Sense of Wonder” workshop was translated into Spanish.

The grant also provided for the creation of “Explore Wisconsin” kits-one designed for toddlers and the other for preschool. The kits were filled with books, puppets,

puzzles, stamper, felt boards, animal replicas, magnifiers, tape measurers, and binoculars. Family Child Care Providers may check out a kit for use in their facility for a month at a time.

University of Wisconsin-Green Bay \$5,000
A Review of the Environmental Education Component of Wisconsin’s Teacher Education Programs

In what ways are teacher candidates being prepared to teach K-12 students about the environment? The goal of this study was to review the preparation of teacher candidates in Wisconsin with respect to environmental education. One of the objectives was to determine the ways in which teacher candidates are prepared by surveying each of the 32 teacher education programs within the State.

Data that include syllabi, major assignments, descriptions of environmental education preparation, and an indication of which of the ten teaching standards are being met were collected during the 2008-09 academic year. These data will act as a baseline for a determination of best practices.

A second objective was to evaluate the approach and practices of each teacher education program using *Wisconsin’s Ten Standards for Teacher Development and Licensure*, *Wisconsin’s Model Academic Standards for Environmental Education*, and guidelines and standards from the North American Association for Environmental Education.

Data from the surveys of all 32 teacher education programs were augmented with data from face-to-face interviews with representatives from an array of these programs. The findings should be useful as a guide for teacher education programs to enhance their environmental education approach and practices. Findings will be available in January 2010.

Wisconsin Center for Environmental Education **\$4,927**
Environmental Science Teacher Summit

The Environmental Science Teacher Summit drew 95 participants including 71 teachers, 2 keynote speakers, 15 volunteers, and 7 presenters. An array of sessions were offered as well as a hands-on GPS workshop and option for graduate credit at the pre-event. Hundreds of environmental science resources were given away and made available for review by the participants. Participants also had an opportunity to network with one another and share ideas and resource suggestions. As a result of the event, at least two new environmental science courses are being developed in the state.

All participants received a printed copy of the *Wisconsin Environmental Science Course Framework*. Participants were introduced to the *Wisconsin Environmental Science Digital Resource Library* and continue to access it. All resources from the event, including session presentations, keynote speeches, and environmental science PowerPoints are available on the Summit website: <http://www.uwsp.edu/cnr/wcee/envsci/summit.htm>

EVALUATION AND LITERACY

Assessment is important to determine the environmental literacy of Wisconsin citizens. Wisconsin state statute mandates that the environmental literacy of Wisconsin students must be assessed (see 1989 Wisconsin Act 209). The 2001-2003 biennial report to the legislature indicated the WSAS/Knowledge and Skills tests at the fourth, eighth, and tenth grades provide a very incomplete picture of the environmental literacy of Wisconsin students and that it would be incorrect to suggest these tools are designed to assess environmental literacy.

In August 2009 the Department of Public Instruction announced the state would be transitioning away from the Wisconsin Knowledge and Concept Exams (WKCE). As noted previously, the No Child Left Inside Coalition (of which WEEB is a member) intends to include a descrip-



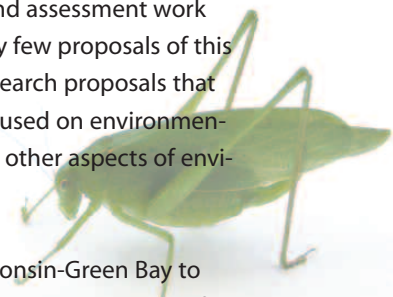
tion of how the environmental literacy of students will be measured within the State's environmental literacy plan. As the new assessment protocols are developed, the WEEB will continue to advocate for the inclusion of tools that can indicate students' level of environmental literacy.

The WEEB, through its request for proposal materials, has strongly encouraged evaluation and assessment work be undertaken. Unfortunately very few proposals of this type have been submitted. The research proposals that have been submitted have not focused on environmental literacy, but do provide data on other aspects of environmental education.

An award to the University of Wisconsin-Green Bay to review of the environmental education component of Wisconsin's teacher education programs was highlighted within the "Curriculum Development, Dissemination, and Implementation" section of this report (see page 12). Three additional research awards made as part of the 2008 grant cycle are highlighted here. Two of these projects (those by LEAF) are still underway. Final reports are due January 2010.

LEAF **\$5,990**
Assessing the Number and Type of Outdoor Classrooms at Wisconsin Schools

This project assessed the number of schools in Wisconsin with outdoor classrooms on their school sites and how those classrooms are used. It also evaluated what non-



profit community groups, nature centers, and community foresters are doing to assist these schools. Information collected will ultimately be used to determine what future steps the LEAF program and stakeholders can take to help schools create and use their outdoor classrooms to teach students about their own community forest. This assessment was conducted via an on-line survey of schools, an email survey of stakeholders, and a focus group meeting.

LEAF **\$9,809**
Assessing the Impact of School Forest Education Plans on School Forest Programs

This project evaluated the effectiveness of the school forest education plans in enhancing the development and utilization of school forests. Information collected from the assessment will be shared with key school forest stakeholders and used to improve the education plan process and format if necessary. The assessment was conducted via a survey and focus group facilitated by an experienced environmental education evaluation consultant.

UW-Stevens Point: College of Natural Resources **\$4,931**
An Inventory of Environmental Education Research in, about, and for Wisconsin

This project resulted in the creation of a database, the Wisconsin EE Research Database (WEERD) which provides baseline data of the published Wisconsin EE research found in journal articles, dissertations, master's theses, and master's projects conducted in the past ten years. The goal of the project was to ensure environmental educators and supporters of EE are aware of, and have access to, prior research conducted. In turn this will help to assure that future WEEB funded EE programs are grounded in research.

FUTURE DIRECTIONS

In the next year work to draft *EE2015* (the State's strategic plan for EE for the next five years) will continue. In the meantime, the Board will continue to support the work of its committees and citizens across Wisconsin as they work to enhance environmental literacy in all segments of society.

The Board will also continue to actively partner with:

- 🌿 No Child Left Inside Coalition to create an environmental literacy plan.
- 🌿 Wisconsin Environmental Education Foundation in order to serve as a catalyst for seeking private funds in support of the Board's work.
- 🌿 Other state and federal agencies, legislators, and stakeholders interested in promoting and enhancing environmental education for Wisconsin's citizens.

While the Board has accomplished a great deal, the "to do list" continues to identify important initiatives.





GRANT PROGRAM

Since its creation in 1990, the Wisconsin Environmental Education Board's grant program has provided communities, schools, and organizations with funds to enhance environmental education programs.

Funds to support the grant program are provided by donations and state appropriations. For the 2007-2009 budget period, annual appropriations to the WEEB included \$400,000 from the forestry account of the conservation fund (of which up to 5% can be used toward administrative expenses), and a 5% assessment on state environmental fines levied and collected. For the 2008 grant cycle there was also \$85,000 from Focus on Energy for a variety of energy education initiatives.

In 2007 there were 115 grant proposals submitted; 72 were funded.

In 2008 there were 114 grant proposals submitted; 67 were funded. Grant requests ranged from \$734 to \$20,000 (the maximum allowed).

Since 1997, when the WEEB was transferred from the Department of Public Instruction to the UW-System, the WEEB has distributed \$5.4 million to 618 projects. The funded projects have generated well beyond the 25 percent match required. In fact the matching funding from the projects, with the majority of the 2008 proposals yet to report their matching contributions, conservatively totals over \$4.7 million. During this time period 1,161 applications were received requesting over \$11.3 million. Obviously, only a portion of the applicants received funding.

The WEEB has received requests for proposals from every corner of the state and from virtually every type of organization, agency, or group that is eligible to receive funding. Each grant proposal submitted receives a rigorous review by volunteer committees. These volunteers represent the many entities which are interested and/or involved in educating the citizens of

Wisconsin about the environment. Each project is evaluated at three levels: 1) completeness and accuracy of program requirements, 2) technical review, and 3) merit review.

The technical review team evaluates each project on:

- 🍃 adherence to the WEEB priorities,
- 🍃 budget accuracy and funding contributions,
- 🍃 thoroughness of application page and statement of need,
- 🍃 project goals, objectives, activities, and evaluations.

The merit review team then continues evaluation of those projects that passed the technical review to determine:

- 🍃 overall quality and value of the project,
- 🍃 ability to achieve goals,
- 🍃 development of partnerships,
- 🍃 use of existing resources,
- 🍃 and promotion of community environmental education.

General Guidelines

Projects need to assist learners in achieving the goals of environmental education. The projects need to help people become environmentally aware, knowledgeable, skilled, and dedicated to commit to work individually and collectively, to defend, improve, and sustain the quality of the environment on behalf of present and future citizens.

Eligibility

WEEB grants are available to the following Wisconsin entities:

- 🍃 Corporations (nonstock, nonprofit corporations organized under chapter 181 of state statutes)
- 🍃 Public agencies (counties, cities, villages, towns, public inland lake protection and rehabilitation districts, school districts and cooperative educational service agencies)
- 🍃 State agencies, tribal governments, public colleges and universities
- 🍃 Non-public education institutions (with some restrictions)

The following are NOT eligible:

- 🍃 Individuals
- 🍃 Private foundations
- 🍃 Pervasively sectarian education institutions

Project Duration

Grants awarded as part of the 2007 grant cycle were made for the period of July 1, 2007 through December 31, 2008. Grants awarded as part of the 2008 grant cycle were made for the period of July 1, 2008 through December 31, 2009.

Funding Priorities for 2007 and 2008

The funded grants reflect the priorities that were in effect in 2007 and 2008. They include:

- 🍃 Focus content of environmental education on holistic outcomes.
- 🍃 Support and enhance cooperation and communication within the environmental education community.
- 🍃 Support and enhance environmental education in PreK-12 schools.
- 🍃 Support and enhance the implementation of environmental literacy in institutions of higher education.
- 🍃 Support and enhance the expansion of non-formal and non-traditional environmental education.
- 🍃 Develop a research and evaluation agenda for environmental education.

Preferred Characteristics

- 🍃 Develop partnerships and cooperative ventures with organizations or agencies.
- 🍃 Reach large numbers of individuals.
- 🍃 Attain realistic and localized goals.
- 🍃 Show change in the actions or behaviors of the learners.
- 🍃 Provide opportunities for learners to become actively involved in examining and resolving environmental issues.
- 🍃 Provide learning experiences using sites outside of classroom/workplace.

- 🍃 Include activities that draw upon multiple intelligence's of learners.
- 🍃 Include activities that emphasize the process of inquiry.

Changes from Previous Years

In 2008, the WEEB required districts awarded funds for school forest implementation proposals to have an approved school forest management plan and an approved school forest education plan on file with the School Forest Coordinator prior to the grant application deadline.

Assistance for Applicants

Information on past projects can be found on the WEEB website. Copies of funded proposals are available via the Wisconsin Interlibrary Loan System. Final reports from grant recipients may be viewed at the Wisconsin Center for Environmental Education Resource Library, UW-Stevens Point.

For a copy of the Request for Proposal (application form) contact:

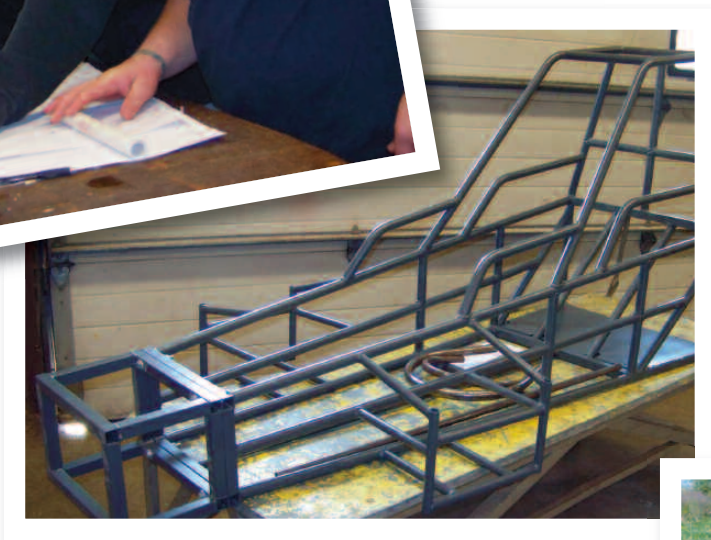
Wisconsin Environmental Education Board

110B College of Natural Resources
University of Wisconsin-Stevens Point
800 Reserve Street
Stevens Point WI 54481
(715) 346-3805

www.uwsp.edu/cnr/weeb

weeb@uwsp.edu







2007 GRANTS

Adams-Friendship Area School District **\$1,000**
FRIENDSHIP

An Educational Plan for the Adams-Friendship Area Schools-LEAF Workshop

To create a school forest education plan.

Aldo Leopold Nature Center, Inc. **\$19,328**
MONONA

UFO's (Unwanted Flowering Objects) in the Forest: An Invasive Species Program

To teach middle school students about invasive species in south-central Wisconsin woodlands and provide the skills they need to safely and effectively combat the spread of invasive species.

Alliance for Sustainability **\$5,000**

ASHLAND

Coordinator, Sustainable Chequamegon Center

To support canvassers who hand out information about: global warming, how to reduce electric and heat bills, conserve energy, recycle, compost, use rain barrels, conduct energy audits, and, join study circles to develop projects. Info sheets list networks of people in the region working on reducing the ecological footprint of the Chequamegon Bay.

Beaver Dam Unified School District: **\$950** 

Educational Service Center

BEAVER DAM

Continuing the Lincoln School Green Group

To cover the cost of materials to conduct activities that further the students understanding of environmental issues. Specifically, to improve the school grounds to reduce runoff and erosion, provide habitat for wildlife, stencil storm drains, create educational posters and distribute informational flyers to further disseminate positive environmental messages.

Boys and Girls Club of Greater Milwaukee: **\$19,998**

Mardak Center for Administration and Training

HARTLAND

Camp Whitcomb Mason Forest History and Urban Forestry Program

To offer a new eight-week intensive Urban Forestry Program focusing on 1st and 2nd graders throughout eight central city club/school partnership locations.



Center for Land Use Education (CLUE) \$4,855
STEVENS POINT

Building Awareness for Forests and Forestry in the Community Planning Process

To create a professional development workshop offered at events already attended by citizen and professional planners to increase awareness for forests and forestry in the community planning process. The workshops included information and hands-on experience on how to use existing tools to effectively reach forest land planning goals.

Team members learn about and carry out actions that lead to reductions in stormwater pollution and engage in other practical, water-friendly behaviors. Participants document behavior changes using baseline and follow-up questionnaires.

Columbus School District \$4,983
COLUMBUS

Growing and Learning Together at Columbus Elementary

To plan, plant and maintain three types of gardens (butterfly, vegetable, and Japanese) on the school property and involve children in activities that teach and reinforce science topics and objectives appropriate to each grade level.

Community GroundWorks at Troy Gardens \$4,995 
MADISON

Troy Gardens EE Mentorship Program

To cultivate 20 high school-aged mentors (provide necessary knowledge, skills, and support) to enable them to educate and inspire 175 elementary-aged children in the community to care for the natural world through hands-on learning at the Troy Gardens natural areas and Kids' Garden.



 **Chetek School District \$4,955**
CHETEK

Mapping Water Quality Data in the Red Cedar River Watershed

To incorporate the use of Global Positioning System (GPS) technology, digital mapping, and digital photography into both science and social studies watershed and water quality monitoring curricula.

City of Superior: Environmental Services \$3,965
Division of Public Works

SUPERIOR
Neighbors Helping Neighbors to Become Stormwater Stewards

To deliver the "Livable Neighborhood Water Stewardship Program" in the Billings Park neighborhood for two teams, each consisting of five neighborhood households.





**Community GroundWorks at Troy Gardens \$19,965
MADISON**

Troy Forest Education Project: A Year in the Forest

To support the development of Troy Forest and an associated year-round forestry based curriculum.

**Concordia University Wisconsin \$5,000
MEQUON**

Concordia University Wisconsin Environmental Science Education Pilot Program

To combine students drawn from its School of Education, School of Arts and Sciences, and local middle schools within its existing facilities (including its shoreline along Lake Michigan) to create an Environmental Education Incubator. By observing the activities within this Incubator, CUW faculty will be in a position to develop a research and evaluation agenda for environmental education.

**Dane County Parent Council: Satellite Family Child Care \$875
MADISON**

Early Childhood Environmental Learning and Literacy Initiative

To provide early childhood educators with resources (books, binoculars, magnifying glasses, posters, etc) through a lending "library" in order to promote environmental awareness in the early childhood community

and enhance environmental literacy so that children and educators can form strong connections to our natural world.

**Deerfield Community Schools \$5,000
DEERFIELD**

An Educational Plan for the Deerfield School Forest

To create a school forest education plan.



Friends of Wehr Nature Center **\$4,740**
FRANKLIN

Pilot Project to Foster Environmental Awareness and Attitudes in the Hispanic Population

For 120 fifth graders, their teachers and families to participate in programming and service learning projects at the Wehr Nature Center.

Friends of Beaver Creek Reserve **\$19,829**
FALL CREEK

Improving School Forest Opportunities in West Central Wisconsin

To target 28 school districts in a seven county area of west central Wisconsin in order to promote more extensive use of school forests.



Friends of Beaver Creek Reserve **\$5,000**
FALL CREEK

Aquatic Invasive Species Education in Five Western Wisconsin Counties

For workshops and presentations regarding citizen-based monitoring, aquatic invasive species identification, and volunteer watercraft inspection (Clean Boats, Clean Waters) to organized lake groups in the region and also to educate those who recreate on these lakes.

Friends of Hunt Hill Audubon Sanctuary, Inc. **\$953**
SARONA

Enhancing the Prairie Trail Experience at Hunt Hill

For interpretive signage and trail guides tied to three additional seasons worth of habitat and species identification information for each rest site and also funds to disseminate this information via the website.



Friends of the St. Croix Headwaters **\$4,200**
GORDAN

The Introduction of Sustainable Tourism to Douglas County

To provide an effective introduction to local decision-makers and business leaders as to what sustainable tourism (eco-tourism) is and how it directly applies to Douglas County's economic development challenges.



Gillett School District **\$20,000**
GILLETT

Integration of Environmental Education and Stewardship

To create K-12 educational units; establish a district school forest library; promote long-term data collection to address the needs of gifted and talented students; and increase the use of the school forest by community members.



Jefferson County Parks Department \$1,000

CAMBRIDGE

Environmental Education Classes Within the Jefferson County Parks System

To provide educational field guides, binoculars and art/crafts supplies for use in bimonthly educational classes for children and adults.

Kaukauna Area School District \$2,712

KAUKAUNA

Energy Concepts Engineering Efficient Transportation Solutions

For students and instructors to build and test an electric powered vehicle that is safe to drive in everyday driving conditions. Students keep daily logs and provide reports as to the design and development as well as the testing of the vehicle throughout the project.

Gillett School District \$4,879

GILLETT

Integration of Energy Education into the PreK-12 Classroom

To provide materials, resources and training necessary to implement energy education.

Glidden School \$5,000

GLIDDEN

An Educational Plan for Glidden School Forest

To create a school forest education plan.

Green Bay Botanical Garden \$5,000

GREEN BAY

Sowing Satchels Project: Shared Activity Packs for Garden Ecosystems

To create activity packs, each with a unique theme, to provide hands-on activities that encourage shared exploration, creativity, discussion, problem-solving and decision-making between children and adults as they explore the Garden and enhance adult-child communication and family bonds.

Also, to reach new audiences by partnering with the public library by offering the garden packs through the libraries existing activity pack program. By stitching a free pass to GBBG on to the pack, we will be able to make the Garden accessible to any library user.

K-12 Energy Education Program (KEEP) \$3,860

STEVENS POINT

School Building Energy Efficiency Project

To develop a supplemental guide and enhance the resource materials available for K-12 educators to use in order to improve student energy literacy, specifically school building energy efficiency.





K-12 Energy Education Program (KEEP) **\$3,092**
STEVENS POINT
Energizing Social Studies

To develop, offer, and provide resources and support materials for 12 teachers to attend a course specially designed for social studies teachers. Outcomes of the course—lessons and a cross-reference chart of energy education activities and social studies academic standards—were posted on the KEEP Web site and integrated into future KEEP courses.

K-12 Energy Education Program (KEEP) **\$4,973** 
STEVENS POINT

Transportation Futures: Bookmark Contest and Academic Support Materials

To teach Wisconsin students in grades 5, 6, and 7 about environmental issues associated with current forms of



transportation as well as sustainable transportation for the future. KEEP will accomplish this through dissemination of transportation academic support materials and a transportation themed bookmark contest.



K-12 Energy Education Program (KEEP) **\$1,000**
STEVENS POINT

School Building Energy Efficiency Resource Materials

To provide ten adjunct faculty around the state with a box of school building energy efficiency resource materials which they can then loan to teachers in the community.

K-12 Energy Education Program (KEEP) **\$999**
STEVENS POINT

Energy Education in Family and Consumer Education Classroom

To offer a sixteen hour energy education inservice course to train teachers on how to incorporate energy education into their curriculum. One part of the course will be making a window quilt that will insulate a classroom window.

Ladysmith-Hawkins School District **\$5,000**
LADYSMITH

An Environmental Educational Plan for the Ladysmith-Hawkins School District School Forest

To create a school forest education plan.

LEAF **\$13,600**
STEVENS POINT

Teacher Scholarships for LEAF Workshops

To provide scholarships for 85 teachers to attend a LEAF workshop.



 **Manitowoc School District** **\$12,369**
MANITOWOC

Growing Knowledge of Our Environment and Connections to the School Forest

To train teachers to use a variety of environmental education curricula and provide informational sessions on local invasive species and forestry practices for MPSD teachers and the community.

McFarland School District **\$4,987**
MCFARLAND

The McFarland School Forest: New Paths for Learning

To create an education plan that will provide McFarland staff a framework that connects and integrates the *Wisconsin Model Academic Standards for Environmental Education*, Wisconsin-based forest education curricula, and the McFarland K-12 curricula.



McFarland School District **\$998** 
MCFARLAND

The McFarland School Forest: Pathways and Guides for Environmental Education

For trail maintenance and the development of accompanying guides and educational materials, to ensure this area is safe, accessible and usable for students, staff, and the community.

Medford Area Public Schools **\$4,998**
MEDFORD

Ensuring All Students Learn: Creation of Common Assessments and Instructional Kits

To create common summative assessments for grades 4 and 8; and to create instructional kits that contain both required and optional activities for each class to complete which correlate with the curriculum map.

Menomonie Area Public Schools **\$6,177** 
MENOMONIE

Sustainable Forestry: From Sap to Sugar-Maple Sugaring at the Menomonie School Forest

To develop a maple sugaring program which annually involves all 4th grade students in the tapping, collection



of maple sap, and production of maple syrup using a wood fired evaporator. Students learned about historical sugar-making tools, methods, and practices of the Anishinabe (Wisconsin Chippewa) and early pioneers in Wisconsin; forest ecosystems, life cycles of trees, photosynthesis, the maple sugar industry and sustainable forestry.

Mercer School District **\$19,852**
MERCER

Mercer School Forest Educational Center Development
For professional development in-services provided by LEAF and the North Lakeland Discovery Centers naturalist;

high school student mentoring of younger students at the school forest and guided tours for community members; and facility and resource acquisitions.

Nature Net - Aldo Leopold Nature Center **\$4,999**
MONONA

Strengthening the Statewide EE Community


To bring regional EE providers together to establish relationships and common regional goals; to provide the framework for continued communication via an online forum; and to establish regional leaders who will help advance regional EE goals and spearhead communication amongst regional members.

 **North Lakeland School District** **\$4,680**
MANITOWISH WATERS

North Lakeland Outdoor Education Curriculum Project

For a committee of four teachers to meet to develop the fifth to eighth grade sequential curriculum plan and to identify and/or create lesson plans and assessments for the new curriculum.



 **Northwest Wisconsin Concentrated Employment Program** **\$5,000**
ASHLAND

Crex Meadows Youth Conservation Camp

To provide resources for staff to blend the conservation work activities conducted by students with the environmental education/experiential learning components being taught in order to facilitate youth gaining a broader understanding of their personal and collective impact on the environment.

Northwoods Land Trust **\$19,965**
EAGLE RIVER

Vilas County Private Woodland Owner Voluntary Conservation Pilot Education Program

To encourage Vilas County woodland owners (40 acres or larger) to become lasting stewards of their land by giving them the knowledge and tools they need to voluntarily conserve their land in perpetuity. The information packets included information on various conservation options and the financial benefits.

Port Washington-Saukville School District **\$5,000**
PORT WASHINGTON

Port Washington High School Biodiesel Processing Initiative

To get students directly involved in making biodiesel from used vegetable oil from the school districts kitchens. To complete the cycle the district will use the biodiesel in a diesel powered lawn tractor or vehicle. The students will research the effects of using biodiesel fuel on the engine. With the information gathered, the students will then educate the community about biodiesel by the use of advertisements, newspaper articles, seminars, and tours.

Research Education and Policy **\$4,918** 

REAP Food Group

MADISON

Wisconsin Homegrown Lunch: Linking the Land to the Classroom in Madison

For a farm-to-school project to create thriving farm-to-school programs at two Madison elementary schools. By integrating a range of activities at a school site, including the purchasing of local foods for the school meal or snack programs, hands-on classroom food education, and farm field trips, farm-to-school programs reconnect students to the source of their food and teach them how food choices have a direct impact on the land.



Rib Lake School District **\$4,812**
RIB LAKE

An Educational Plan for the Rib Lake School Forest

To create a school forest education plan.



River Alliance of Wisconsin \$4,956
EAGLE RIVER

Training Citizens in Effective Environmental Communication Strategies

To provide three one-day workshops incorporating river biology, ecology and hydrology background information as it pertains to current water quality issues; strategies for effective oral communications in public forums; strategies for effective written communication; and developing individual action plans with the goal of enabling citizens to participate in public forums focused on environmental issues, for which they previously felt ill-equipped to present effective, credible and fact-based testimony when the debate or discussion became heated or emotional.

School District of Butternut \$995
BUTTERNUT

Integrated Forestry Education Curriculum K-12

To provide an integrated, sequenced study of forestry concepts through establishment of a new, integrated set of teaching lessons that incorporate relevant knowledge and skills at all grades. In the process of creating the curriculum twenty district staff expanded their own forestry expertise.

Southern Door County School District \$4,996
BRUSSELS

An Education Plan for Southern Door School Forest

To create a school forest education plan.

Stevens Point Area School District

\$9,158 

STEVENS POINT

Leave No Family Inside, Bringing Families Together in the Outdoors

To counter the effects of child nature deficit disorder by guiding parents and children in outdoor recreational and environmental education activities. Events included: two Leave No Trace overnight family camps, two Questing and Geocaching events, a Cross Country Ski tour, 3 Full Moon Snowshoe nights and one Earth Day celebration event. At each of these events families learned outdoor recreation skills and environmental ethics that encouraged wellness and the continuation of these outdoor activities.



Tomah Area School District

\$19,937

TOMAH

Education and Outdoor Fitness Center

To build an outdoor classroom; create cross-curricular activity totes for the K, 2 and 4th grades; and enhance the middle and high school curriculums.

Tomah Area School District

\$4,839

TOMAH

School Forest Education Plan for Tomah

To create a school forest education plan.



Trees For Tomorrow **\$19,918**
EAGLE RIVER

Advanced Forestry Field Activities for Teachers

For a five-day advanced field forestry workshop for twenty-five K-12 teachers. The workshop will include field based, advanced training in forest management needed to teach students modern and sustainable forestry concepts and practices including how natural resource professionals manage Wisconsin's forests, and how modern technology is used in forest management.

Tri-County Area School District **\$5,000**
PLAINFIELD

An Educational Plan for Tri-County School Forest

To create a school forest education plan.

 **Tri-County Area School District** **\$19,959**
PLAINFIELD

Student-Forest Connections: Ourselves, Our Community, Our Future

For improvements and enhancements to the existing program; professional development opportunities and expanded teacher/EE program collaboration time; a new *EE Career Awareness and Exploration Skills* curriculum, allowing greater technology integration and authentic field activities at the forest; and increased community ties through development of community events and new school forest website.

 **Unity School District** **\$1,000**
BALSAM LAKE

Make A Splash! and Project WET Teacher Training

To join the nationwide *Make a Splash* celebration—the

largest day of water education in the world. Approximately 600 Unity students, families and community members took part in activities at hands-on, interactive learning stations. Station topics included the hydrologic cycle, ground water, spring water, water quality, wetlands, water management, water conservation, soils, and the properties of water. Also, for teachers to participate in Project WET training at a free or reduced cost as part of Unity fall inservice training.

UW-Extension: Continuing Education **\$4,985**
MADISON

Environmental Education Curriculum Development Program

To create high-quality original innovative environmental education lesson plans for dissemination on the ide@ portal and the Wisconsin Association for Environmental Education websites.

Verona Area School District **\$5,000**
VERONA

An Educational Plan for Verona Area School District School Forest

To create a school forest education plan.

Walnut Way Conservation Corporation **\$3,885**
MILWAUKEE

Walnut Way Community Environmental Project Exhibit

To construct signage at urban agriculture, storm water management and composting project sites in order to provide information to residents and to passers-by about the sites when Walnut Way staff and volunteers are not present. Additionally, to host five school group tours and five community member tours; provide presentations, and enable community members to contribute to these local projects.



Washburn School District **\$20,000**
WASHBURN

Implementation of the Washburn School Forest Education Plan in Grades 7-12

For development of school forest curricular activities that will be implemented in grades 7-12. Specifically, to support staff time for curriculum development, professional development, student transportation, and upgrading of resources available at the school forest site.

Waukesha School District **\$4,673**
WAUKESHA

Sense-Abilities Exploring Your Environment

For a team of first grade teachers and the environmental education chairperson to revise and update the current first grade environmental education activities and resources. The revised curriculum will then be presented to the rest of the approximately 40 first grade teachers in a half day teacher staff development session.



 **Wausau School District** **\$772**
WAUSAU

Solar Races

For approximately 30 students to build, test and race solar powered vehicles as they investigate energy awareness and alternative energy usage and how energy works through real life applications.

Webster School District **\$5,000**
WEBSTER

An Educational Plan for District of Webster School Forest
 To create a school forest education plan.

Wisconsin Association for Environmental Education (WAAE) **\$2,638**

MADISON
Facilitating EE Regional Networking

For organizing four outings specifically designed to facilitate networking opportunities for WAAE members and other interested environmental education stakeholders.



Wisconsin Association for Environmental Education (WAAE) **\$5,000**

STEVENS POINT
Non-Traditional Attendance to the 2007 Midwest EE Conference-No Child Left Inside

To market the conference to more than the "choir", inviting all concerned citizens and organizations to attend. Also to support the keynote speaker, Richard Louv, author of "Last Child in the Woods" who is one of the most requested speakers related to the environment at this time.

Wisconsin Center For Environmental Education (WCEE) **\$17,408**

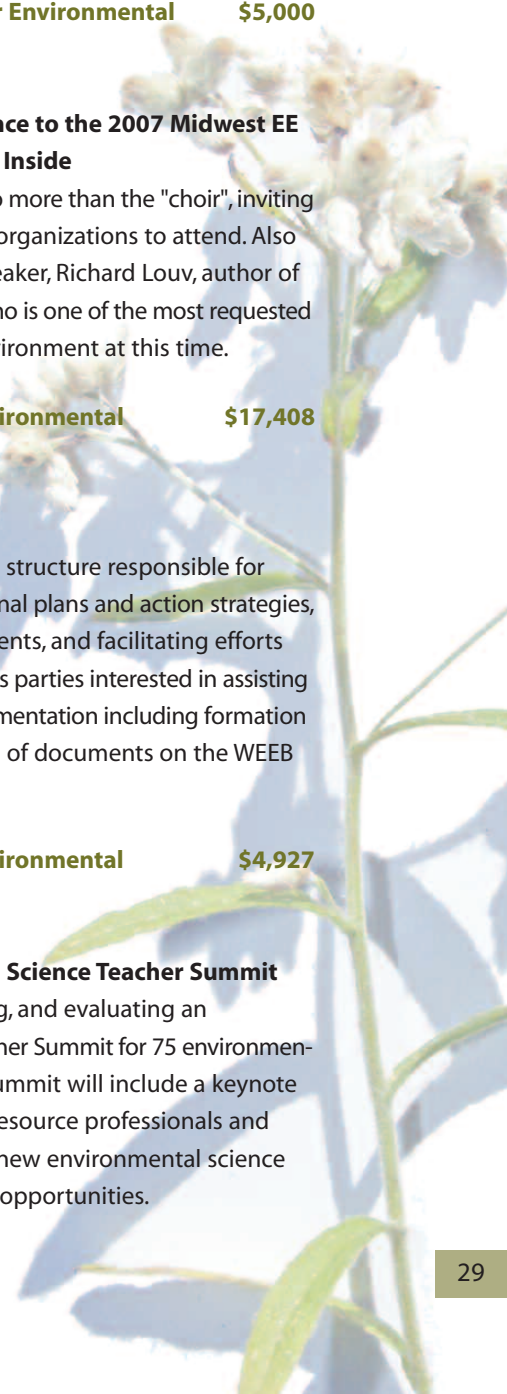
STEVENS POINT
Committing to EE2010

To create an administrative structure responsible for identifying annual operational plans and action strategies, reporting on accomplishments, and facilitating efforts between and among various parties interested in assisting with the *EE 2010* plan implementation including formation of committees and posting of documents on the WEEB website.

Wisconsin Center For Environmental Education (WCEE) **\$4,927**

STEVENS POINT
Wisconsin Environmental Science Teacher Summit

For planning, implementing, and evaluating an Environmental Science Teacher Summit for 75 environmental science teachers. The Summit will include a keynote speaker, presentations by resource professionals and educators, introduction to new environmental science resources, and networking opportunities.





Wisconsin Conference Board of Trustees of the United Methodist Church **\$20,000**
WESTFIELD

Forest Stewardship Education Initiative (FSEI)

To provide forest education programs for local schools (Westfield and Wautoma School District), family and community groups.

Wisconsin Department of Natural Resources (DNR) **\$1,000**
MILLADORE

Wind Wise-What Can Wind Do For Me?

To enable groups of two or three participants to construct a PVC pipe wind turbine. Participants designed their own blades, experimenting with blade length, shape, weight and pitch – discovering how design and orientation impacts the power each turbine produces. Participants tested turbines and blade efficiency outdoors by connecting the turbine to a multi-meter and measuring the voltage/ampereage produced.



Wisconsin Department of Natural Resources (DNR) **\$5,000**
MADISON

Climate Change in Wisconsin Activity Guide

To produce an activity guide for middle and high school students to explore and comprehend the fundamental issues associated with global climate change. This project was also practical for environmental professionals, state and national environmental health officials, government and university specialists involved in disseminating information on local and global climate change.

Wisconsin Forest Resources Education Alliance (WFREA) **\$17,450**

STEVENS POINT

Forestry Minute Education Network

To support the "forestry minute", a weekly radio broadcast and web stream of forestry headlines, issues, and learning opportunities, broadcasts on AM, community FM, and public radio stations across the state and available for audio streaming from the WFREA hosted web portal www.forestryminute.org

Wisconsin Society For Ornithology, Inc **\$5,000**
MILWAUKEE

Flying WILD in Wisconsin

To provide four regional teacher workshops to begin implementing Flying WILD, a new bird conservation education program.



Wisconsin Wildlife Federation: MacKenzie Environmental Center **\$20,000**

POYNETTE

Forests Forever/Youth Education at MacKenzie Environmental Education Center

To educate youth about forests and the advantages of responsibly managed sustainable forestry through an integrated approach including classroom instruction, field experience, the process of making maple syrup, and utilizing self-guided interpretative trails.



Alliance for Sustainability \$5,000

ASHLAND

Campaign Sustain II

To support two college interns to educate residents on how to reduce electric and heat bills by conserving energy, conduct energy audits, recycle, compost, use rain barrels, exchange incandescent light bulbs for compact fluorescent light bulbs and reduce their carbon footprint.

Antigo School District \$19,995

ANTIGO

Noboken School Forest Education Stations

To create learning stations (including an aquatic station), develop lesson kits, construct a challenge course, and provide a series of presentations at grade- and department-levels for teachers to review new materials and resources and become acquainted with the lesson design.

Auburndale School District \$5,000

AUBURNDALE

Greenhouse Energy Curtain

To reduce heating costs by installing an energy curtain in a greenhouse and educating students about its use and other energy conservation measures.



2008 GRANTS



Beaver Dam School District \$1,000

BEAVER DAM

Electrathon Vehicle

To build, as a collaborative project for students enrolled in a variety of technology education classes, an electrathon vehicle. Also to create awareness of electric vehicles within our community.

Berlin Area School District \$5,000 

BERLIN

Native Roots Education Gardens-Edible Organic Environment

To design, build and maintain a thriving organic garden through such methods as "feeding" rather than fertilizing the soil by utilizing cover crops to create "green manures" and composting food from the lunch program. Managing insect pests through companion planting and use of natural pesticides will all be part of the garden experience. Food crops will be used in food service classes. Students will learn how to properly care for, process and preserve these food items.

Board of Regents of the University of Wisconsin System \$4,998

MADISON

Empowering the Child Care Community to Get Outside

To empower child care providers to incorporate additional outdoor time in their day, include purposeful environmental awareness activities in their programs, and utilize local outdoor locations and environmental organizations for regular field trips.

To offer an expanded and improved eight-week intensive urban forestry program to 180 first and 2nd grade central city youth from predominantly low income families .The program will utilize the LEAF urban forestry curriculum. Also for support of the Wisconsin Forest History Program at our year round camp facility, Camp Whitcomb Mason.



Board of Regents of the University of Wisconsin System: UW-Extension \$6,540

MADISON

Learn About Your Land Webcasts

To form a School Forest Education Plan Task Force (a subcommittee of the School Forest Committee) and charge it with drafting and validating a school forest education plan.

Center for Land Use Education (CLUE) \$999

STEVENS POINT

Energy and Land Use: A Pressing Issue for City and Village Officials

To expand the *Wisconsin Land Use Megatrends* series with a 12-page full-color publication about energy and land use trends in Wisconsin and distribute it to Wisconsin's 190 cities and 402 villages.

Center for Land Use Education (CLUE) \$5,000

STEVENS POINT

VOTE-and get a free compact fluorescent light bulb

To reach out to residents of Marathon and Portage Counties by distributing 5,000 free compact fluorescent light bulbs and printed materials about local community sustainability initiatives at the 2008 presidential election polls. This enabled residents to take an immediate step toward sustainability in their own homes, and provided an opportunity to join local sustainability initiatives.

City of Stevens Point \$1,000

STEVENS POINT

Rain Barrels for Stevens Point Households

To provide instruction, through three workshops, about proper rain harvesting using rain barrels. This will reduce utility bills and runoff while minimizing impacts of erosion and flooding.

Colby School District \$5,000

COLBY

An Education Plan for the Colby School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Boys and Girls Club of Greater Milwaukee \$19,998

STEVENS POINT

Camp Whitcomb Mason Forest History and Urban Forest Program



Community GroundWorks at Troy Gardens \$5,000
MADISON

Kids' Gardening Teacher Education Project

To provide 20 high school and college-aged participants with the necessary knowledge, skills and support to facilitate hands-on learning for 200 elementary school-aged children in our award-winning Troy Gardens natural areas and Kids' Garden. In addition, this project will provide garden EE training and guidance to 10 public school teachers and community/youth center education staff.

Community GroundWorks at Troy Gardens \$19,059
MADISON

Tending the Trees: An Urban Forest Stewardship Education Project

To increase the safety, accessibility, and quality of 3 woodland education sites (oak savanna, a sugar maple forest and a wildlife corridor forest); expose adults and non-traditional students such as adjudicated youth to land stewardship and EE through regular service learning opportunities centering on woodland stewardship; and establish Troy Gardens as a model for forestry education for Madison area teens and adults by holding a workshop series which is free and open to the public.

Cooperative Educational Service Agency #5 \$4,999
PORTAGE

Climate Change in Context: Paradise Lost

To host a one day teacher and community partner workshop on climate change science; also for *Paradise Lost Exhibit* staff to visit classrooms of 15 participating teachers and for students to visit the exhibit and interact with art literature and science content. Activities will encourage understanding of climate change science and identification of individual and community actions to reduce green house gas emissions.

Elmwood School District \$5,000
ELMWOOD

An Educational Plan for Elmwood School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Evansville Community School District \$5,000
EVANSVILLE

Education Plan for Grove Community Forest Trail

To provide a guide to implementing the use of our newly approved 50+ acres school forest. This initial plan will include many activities for students and the community to actually create, monitor, learn from and maintain a school forest/outdoor education learning environment.

Friends of Beaver Creek Reserve \$18,465
FALL CREEK

Great Lakes Worm Watch "Big Warming Week" Training Workshops and Wisconsin Nature Mapping Updates

Few citizens are aware that earthworms are not native to WI and that they are associated with significant decreases in diversity and abundance of plants and tree seedlings in Wisconsin's hardwood forests. Grant funds will support a series of 9 *Worm Watch* workshops training a minimum of 90 participants in worm sampling, identification, impacts of exotic earthworms on forests and actions to prevent their further establishment and spread. Also for updating the Worm Watch data section of the on-line WI Nature Mapping database.



Friends of Mead-McMillan Association, Inc. \$1,000 
MILLADORE

Canaries of the Wetland

Participants identified wetland inhabitants and assessed the relative environmental quality of the wetland using indicators such as pH, water temperature, and the presence of a diversity of organisms. Lessons led to a discussion on the importance of citizen monitoring programs and an evaluation of wetland functions and values in relation to our wildlife and wetland resources.



 **Friends of Mead-McMillan Association, Inc.** **\$2,053**
MILLADORE

Winter Ecology: Tracks, Trails and Animal Snowshoe Trails

To enable individuals to gain a clear understanding of diminishing natural habitats such as black spruce and tamarack bogs, and to experience other locations within the refuge in winter by providing access via snowshoes.

Friends of Pheasant Branch Conservancy, Inc. **\$13,460**
MIDDLETON

Linking the Community Forest to Curricular Units

To hire teachers and naturalists to work together in designing and pilot testing five field trips integrally tied to teachers' instructional units and utilizing the John C. Bock Community Forest.

 **Global Environmental Teachings (GET)** **\$5,000**
STEVENS POINT

An Intensive Multinational Training Course for K-12 Teachers

To involve Wisconsin teachers and educators from China, South Africa, and Puerto Rico in an exploration of

Wisconsin's natural resources and sharing of techniques for how to use environmental education in their classrooms. Multinational participation helps teachers relate their experience of Wisconsin ecology to ecosystems around the world to reach a shared understanding of natural resource landscapes and environmental challenges. In addition, teachers were encouraged to forge international teacher-to-teacher partnerships that will enrich their students' environmental education experience for years to come.

Golden Sands Resource Conservation and Development Council (RC&D) **\$5,000**

STEVENS POINT

Lights, Energy Savings, Action

To upgrade classroom lighting at St. Peter Lutheran School and host an open house for the community during which a CFL fundraiser will be conducted. To further capitalize on the building changes, the 7th/8th grade teacher presented class lessons by using KEEP tools such as the energy trunk, light meter and pedal power unit.

Growing Power \$4,610
MILWAUKEE

Growing Power and Maple Tree Community Garden Youth Corp

Through this project, youth, adults, and Maple Tree School students contributed to land stewardship, families gained an understanding of how their socio-economic status is related to the health of the environment, and youth learned systems-based, environmental concepts through hands-on work in Growing Power and Maple Tree Community Garden beds.

Hudson School District: Hudson Middle School \$5,000
HUDSON

An Education Plan for the Hudson School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Kenosha County: Pringle Nature Center \$2,955
BRISTOL

LEAF Implementation at Frank Elementary School

For a LEAF field experience at Pringle for all 485 Frank Elementary School students; a LEAF in-service training for the teachers, and participation in an Arbor Day tree planting program.



Kickapoo Area School District \$5,000
VIOLA

An Education Plan for the Kickapoo School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

La Crosse School District \$1,165
LA CROSSE

Mammal Trunk

To purchase the contents necessary for one mammal trunk to reside within the La Crosse School District. Books, videos, puppets, animal track replicas, pelts, skulls, and lesson plan guides provide a clear and helpful process for teachers to integrate mammal ecology into their classrooms.



LEAF \$5,990 

STEVENS POINT

Assessing the Number and Type of Outdoor Classrooms at Wisconsin Schools

To assess (via an on-line survey of schools, an email survey of stakeholders, and a focus group meeting) the number of schools in Wisconsin with outdoor classrooms on their school sites; how those classrooms are used; and how non-profit community groups, nature centers, and community foresters are assisting these schools.

LEAF **\$20,000**
STEVENS POINT

Promoting and Supporting K-12 Forestry Education

To provide curriculum materials and increase the number of teachers participating in professional development about Wisconsin's forests with the ultimate goal of increasing the delivery of forestry education to Wisconsin students.



LEAF **\$9,809**
STEVENS POINT

Assessing the Impact of School Forest Education Plans on School Forest Program Development

To evaluate (via a survey and focus group) the effectiveness of school forest education plans in enhancing the development and utilization of school forests. Information will be shared with key school forest stakeholders and used to improve the education plan process and format if necessary.

Lumbering Hall of Fame, Inc. **\$12,946**
RICE LAKE

Integration of Non-Traditional Education Using Community Education Day, Historic Tree Walk and LEAF

To support a community education day along the *Historical Tree Walk* that includes trees native to the area. Also to have environmental science classes use the *Historical Tree Walk* as a living classroom as they participate in LEAF programs.

Madison Children's Museum **\$5,000**
MADISON

Leap into Lakes

To send the Leap into Lakes curriculum and mini-exhibit to 30 Head Start classrooms throughout the Madison

metropolitan region and to 6 large-scale community events. *Leap into Lakes* is an inquiry-based, hands-on experience that uses a mural of underwater native species to immerse children, aged 3-5, in the underwater world of lake creatures and plants. It connects children to the science in their own neighborhoods, and helps them understand that important things are close by, connected to their lives and worthy of their attention.

Manitowoc School District **\$10,250** 

MANITOWOC

Great Lakes Education at the School Forest

To train thirty K-8 teachers in the "Great Lakes in My World" curriculum during the 2007-08 school year. Teachers will then teach 375 sixth grade students about aquatic invasive species and participate in the Adopt-a-Beach program.



Menomonie Area Public Schools **\$1,539** 

MENOMONIE

Real Time Electrical Demand Monitoring

To purchase and install equipment used to display real time electrical demand on a 19" LCD monitor mounted in the commons area of the school. Also to support presentations to the students and staff about electrical demand and consumption, how they can have an impact on the school's electrical use, how their impact affects the environment, and how they can have an impact at their own homes.



Middleton-Cross Plains School District **\$5,000**
MIDDLETON

Energy Conservation Using Student Power

To incorporate real time energy usage monitoring as supporting data in determination of the success of student generated energy reduction projects for Middleton High School (MHS) and Middleton Alternative Senior High (MASH).

Midwest Renewable Energy Association (MREA) **\$3,500** 
CUSTER

Energy Education at the 2008 Governor's High School Conference on the Environment

To support participant attendance by providing substitute teacher stipends and travel stipends. Funds will also help to offset the site fees to ensure participant registration costs remain reasonable.



Milwaukee Public Schools

\$1,000

MILWAUKEE

An Inquiry Project Studying the Environmental Issues of Lake Michigan for Gustav A. Fritsche Middle School Students

For a three year middle school inquiry project using Lake Michigan as the focus. The first two years will be water quality, soil quality and composition, erosion and human impact data collection. The third year will focus on feasible solutions for some of the environmental issues and reporting data to local officials.

Mosinee School District

\$5,000

MOSINEE

An Education Plan for the Mosinee School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

North Crawford School District

\$1,539

SOLDIERS GROVE

An Education Plan for the North Crawford School District Forests: Gay Mills High

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

North Lakeland Discovery Center

\$4,971



MANITOWISH WATERS

Pilot Program to Establish a County Conservation Camp

For 20 high school students to work on monitoring projects (including American Marten tracking, wolf howling surveys, bat monitoring, lake and stream quality surveys, and bird banding) during a three day, two night



camp held at NLDC. Students used GPS units, orienteering skills, radio-telemetry equipment, and a variety of water sampling tools to gather and collect data. Data was entered into a statewide public database.



Osseo-Fairchild School District **\$5,000**
OSSEO

An Education Plan for the Osseo-Fairchild School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Park Falls School District **\$5,000**
PARK FALLS

An Education Plan for the Park Falls School Forests

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Port Edwards School District **\$4,250**
PORT EDWARDS

An Educational Plan for the Port Edwards School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

 **Northeast Wisconsin Technical College System (NWTC)** **\$2,000**

GREEN BAY

Energy: a POWER-ful Tech Camp Experience

To expand the existing *Tech Camp* program to include a session for middle school students focused exclusively on energy conservation and "green" collar jobs.

Northwood School District **\$4,058**
MINONG

Exploring the "Back Yard"

For staff development to more fully integrate use of the forest trail, resources and activities in the curriculum.





Rhineland Central Schools **\$4,862**
RHINELANDER

An Educational Plan for the Rhineland School Forest: Cedric A Vig Outdoor Classroom

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Solon Springs School District **\$1,000**
SOLON SPRINGS

Land Restoration of Illegal ATV Trail on School Property

To close an illegal ATV trail to prevent continuing damage and attempt three types of restoration (active, semi-active, and passive restoration). Students, teachers, and

community members will monitor and document each type over time to illustrate the impact of environmental remediations.

Sparta Area School District **\$18,118**
SPARTA

Continuing on the Path for Education at the Sparta School Forest

To make site improvements (build learning stations) that will increase the number and percent of teachers, students, and community members using the school forest; and to provide support for teachers to facilitate use of the school forest and EE curriculum.

Stanley-Boyd Area School District **\$5,000**
STANLEY

An Educational Plan for Stanley-Boyd School Forest

To enhance classroom instruction through experiential outdoor education that meets state education standards, integrates environmental education into the curriculum, and demonstrates sustainable natural resources management. The new land acquisition and its development will provide significantly more learning opportunities to classes than that currently available at the school forest in Colburn Township.

Stevens Point Area School District **\$4,438** 
STEVENS POINT

Developing a School Forest Interactive Environmental Discovery Center

To create hands-on age appropriate interactive educational natural history exhibits using current and grant amended taxidermy and natural history collections to feature knowledge and awareness of natural cycles and systems. The time children spend at the natural history exhibits will reinforce what was observed and taught during the EE program at the school forest and in the school classroom.

Superior School District **\$5,000**
SUPERIOR

An Education Plan for the Superior School Forest

To develop a school forest education plan that details opportunities, provides connections to the classroom curriculum and state education standards, demonstrates sustainable research management, and provides staff with the framework upon which future curriculum and lessons can be built.

Town of New Glarus **\$20,000**
EAGLE RIVER

Educational Seminar about the Use of Land Trusts

To inform and educate residents about planning options such as the use of land trusts to save and protect our native ecosystems, whether wildlife habitat, scenic vistas or prized farmland. Topics covered an introduction to land trusts, conservation easements, management services, estate planning and financial benefits.

Trees For Tomorrow **\$5,000**
SUPERIOR

Field Forestry for High School Students

For a series of four-day, multi-disciplinary field forestry workshops for 200 Wisconsin high school students and their teacher chaperones. These workshops provided factual information about: sustainable forest management practices used in Wisconsin, forestry field equipment including GPS, Biltmore sticks, and diameter tape, how and why various logging practices are used, and Wisconsin's forests, forest fauna, watersheds and soils.

Urban Ecology Center **\$19,427**
MILWAUKEE

Urban Forestry in Washington Park

To create a self-guided tree walk, a forested island restoration project with inner-city youth participating in job training, and a series of forestry activities to be incorporated into the summer camps and school programs.

UW-Extension: Buffalo County **\$4,068**
ALMA

Building an Understanding of Wildlife and Agricultural Practices that Sustain Buffalo County Lands

To address the growing tension between local farm producers and absentee landowners regarding wildlife habitat, environmental enhancement and agriculture best management practices and how they relate to wildlife, especially white-tailed deer, by providing research based farm and wildlife information.

UW-Extension: Price County **\$4,350**
PHILLIPS

North Central Wisconsin Home Energy Conservation Workshop and Home Tour

To host a home energy conservation workshop and home

tour for Taylor and Price County residents interested in reducing their home energy costs and learning more about sustainable energy sources and uses.

UW-Green Bay (UWGB) **\$4,316**
GREEN BAY

A Review of the Environmental Education Component of Wisconsin's Teacher Education Programs

To review and evaluate the preparation of teacher candidates in Wisconsin with respect to environmental education by surveying each of the 32 teacher education programs within the State. Data that include syllabi, major assignments, descriptions of environmental education preparation, and an indication of which of the ten *Standards for Teacher Development and Licensure* are being met will be collected.



UW-Parkside: Center for Community **\$5,000** 
Partnerships

KENOSHA

Citizen-Based Monitoring Network at the Root River Environmental Education Community Center

To involve K-12 and postsecondary students and faculty, as well as area residents in citizen-based monitoring programs related to water quality, bats, amphibians, and invasive plant species.



UW-Stevens Point (UWSP): College of Natural Resources (CNR) **\$4,931**

STEVENS POINT

An Inventory of Environmental Education (EE) Research in, about, and for Wisconsin

To conduct a review of the literature (journal articles, dissertations, master's theses, and master's projects) conducted in the past ten years and to develop a searchable database which will provide baseline data that will enhance research efforts across the State, and, in particular, ensure that WEEB grant activities target documented areas of need and avoid duplication.

UW-Stout **\$19,078**

MENOMONIE

Development, Testing and Dissemination of an Invasive Plant Species (IPS) Education Kit for High School Teachers

To develop a five unit kit by incorporating existing Wisconsin forestry education curricula; conduct a "train the trainer" workshop for UW-Stout science education and applied science students; pilot the kit with a Menomonie High School teacher and students; and disseminate kits through CESA 11 teacher in-service programs.

Wisconsin Center For Environmental Education (WCEE) **\$2,000**

STEVENS POINT

Energy Themed 2008 Governor's High School Conference on Environment

To provide high school students and teachers the opportunity to immerse themselves in a day-long energy education experience. The conference will offer keynote speakers, workshops, an energy career showcase, and student presented energy-related research projects.

Wisconsin Department of Natural Resources (DNR): Bureau of Communication, Education and Public Affairs **\$20,000**

MADISON

Project Learning Tree Forest Education Grant

To create a poster illustrating and explaining the anatomy of a tree using tree species found in Wisconsin. Also, to train a new cohort of PLT facilitators; pilot a distance learning course using videoconferencing technology; provide financial support to participants of select PLT workshops; and for work with the Wisconsin Head Start Association to train early childhood educators.



Wisconsin Department of Natural Resources (DNR): Division of Forestry **\$20,000**
MADISON

Priority NIPF Landowner Identification and Outreach

To enable outreach and education efforts toward non-industrial private forest (NIPF) landowners previously not involved in forest management or forestry programs.

Wisconsin Family Forest: Oshkosh **\$20,000**
OSHKOSH

Woodland Advocates

To train and equip experienced woodland owners to become Woodland Advocates who will work in their local area to assess their neighbors' forestry management needs and make recommendations based on those needs.

Wisconsin Forest Resources Education Alliance (WFREA) **\$19,918**

STEVENS POINT

Collaboration and Capacity Building in the Wisconsin K-12 Forestry Education Community

To bring diverse K-12 forestry education interests together to define a common vision, build the capacity to attract and serve strategic audiences, and develop initiatives that bring priority to forestry education programs in schools.





GRANT REVIEWERS

THANK YOU VOLUNTEER GRANT PROPOSAL REVIEWERS FOR MAKING EE WORK FOR WISCONSIN!

Beaber, Amanda Trees for Tomorrow	2008	Gizyn, Peter Trees For Tomorrow	2009
Benson, Miles Retired	2007	Gray, Amber Trees for Tomorrow	2007
Bohanan, Robert UW-Madison: Center for Biology Education	2009	Heart, Amy Midwest Renewable Energy Association (MREA)	2009
Buchholz, Sunshine Wisconsin Center for Environmental Education (WCEE)	2009	Horst, David Community Foundation for the Fox ValleyRegion	2008
Buller, Sheri Trees For Tomorrow	2009	Jilot, Tessa DNR: Forestry Bureau	2008,2009
Callewaert,Dave Retired SC Johnson	2007, 2009	Johnson, Michael LaCrosse School District	2007
Carlton, Ginny WI Environmental Education Board	2007,2008,2009	Kahtenberg, Mike UW-River Falls	
Cramey, Mike DNR: Gordon	2007,2009	Keck, Don CESA #10	2008,2009
Cramey, Tammie	2009	Keller, Julie UWSP: College of Professional Studies: Health Promotion and Human Development	2009
DeLaune, Jeff Wisconsin Public Service Corporation, Johnson Controls	2007,2009	Kinyon, Dave Wisconsin Energy Conservation Corporation (WECC)	2009
Dostal, Karen Stevens Point Area School District	2007,2008,2009	Klein, Mark Gimme Shelter Construction	2008
Eberhardy, Teri Mosinee School District	2007,2008,2009	Klemme, Diane UW-Stout: Home Economics	2009
Ebert, Heidi West Salem School District	2008	Koziel, Rick Beaver Creek Reserve	2007
Enlund, Abbie Wisconsin Association for Environmental Education (WAEE)	2009	Kubish (Zblewski), Bobbi Wisconsin Center for Environmental Education (WCEE), UW-Stevens Point	2007,2008,2009
Ermer, Susan Wisconsin Center for Environmental Education (WCEE)	2008	Kuntz, Chris Learning Experiences Activities in Forestry (LEAF)	2009
Fannucchi, Genny DNR: Forestry Bureau	2007, 2008,2009	Linde, Alec	2009
Fey, Bobbi Wisconsin Energy Conservation Corporation (WECC)	2009	Magyar, Rick Sierra Club: Chippewa Valley Chapter	2008,2009
Fox, Lisa Wisconsin Energy Conservation Corporation (WECC)	2009	Marinac, Pat Appleton Area School District	2007,2008,2009
Gaskill, Cindy Retired	2007,2008,2009	Marshall, Gretchen Learning Experiences Activities in Forestry (LEAF)	2009
Gilbert, Sarah Learning Experiences Activities in Forestry (LEAF)	2007,2008,2009		



McCormick, Alicia Trees for Tomorrow	2008	Singer, Matt DNR: Darlington	2008,2009
McKenzie, Kay	2009	Sinisi, Ginger Midwest Renewable Energy Association (MREA)	2009
Miess, Derek Substitute Teacher Madison School District	2009	Smith, Kelly UWSP Student and KEEP	2009
Mich,Gerry Wisconsin Family Forest	2007,2008,2009	Solin, Jeremy Learning Experiences Activities in Forestry (LEAF)	2007,2008,2009
Mollica, Jamie K-12 Energy Education Program (KEEP)	2009	Spalding, Julie Appleton Area School District	2008
Morgan, Carrie DNR: Communication and Education	2008	Thompson, Barbara West Salem School District	2007,2008,2009
Mortenson, Kelly Learning Experiences Activities in Forestry (LEAF)	2008,2009	Tiles, Kris UW-Extension	2008
Muto, Peter DNR: Retired	2008,2009	Todea (Holmes), Cheryl Trees for Tomorrow	2007,2008,2009
Nason Marquard, Kristin	2009	Tomosowksi, Jessica Learning Experiences Activities in Forestry (LEAF)	2008,2009
Niemi, Kevin UW-Madison: Center for Biology Education	2008,2009	Vander Wyst, Gary DNR: Park Falls	2008,2009
Nykolayko, Heidi Trees for Tomorrow	2007	Whalley, Thomas Tri-County Schools: Retired	2007,2008,2009
Oradei, Manny DNR: Rhinelander	2007	Windjue, Sara WI K-12 Energy Education Program (KEEP)	2009
Peteson, Don Sustainable Resource Institute	2009	Wineberg, Alison WI Dept. of Public Instruction	2008
Pichette, Maria L. Trees for Tomorrow	2008	Workman, Amy Aldo Leopold Nature Center	2009
Ponlod, Amanda UWSP Student and WAEE Board	2009	Wright, Sarah UW-Madison: Center for Biology Education	2009
Reigel, Meta UWSP: College of Natural Resources	2008	Zagrzebski, Kelly Wisconsin Public Service	2007,2009
Rickert, Melissa K-12 Energy Education Program (KEEP)	2008,2009	Ziolkowski, Carrie K-12 Energy Education Program (KEEP)	2008,2009
Scharf, Zara Midwest Renewable Energy Association (MREA)	2009	Zirbel, Adam Vernon County Land Conservation Dept.	2007
Schultz, Amy Girl Scouts of America:Woodland Council	2007,2008,2009		
Sebastian, Kim DNR: Southeast Region Headquarters	2008		
Sierk, John DNR: Hancock	2007,2008,2009		

GRANT APPLICATION STATISTICS

2007

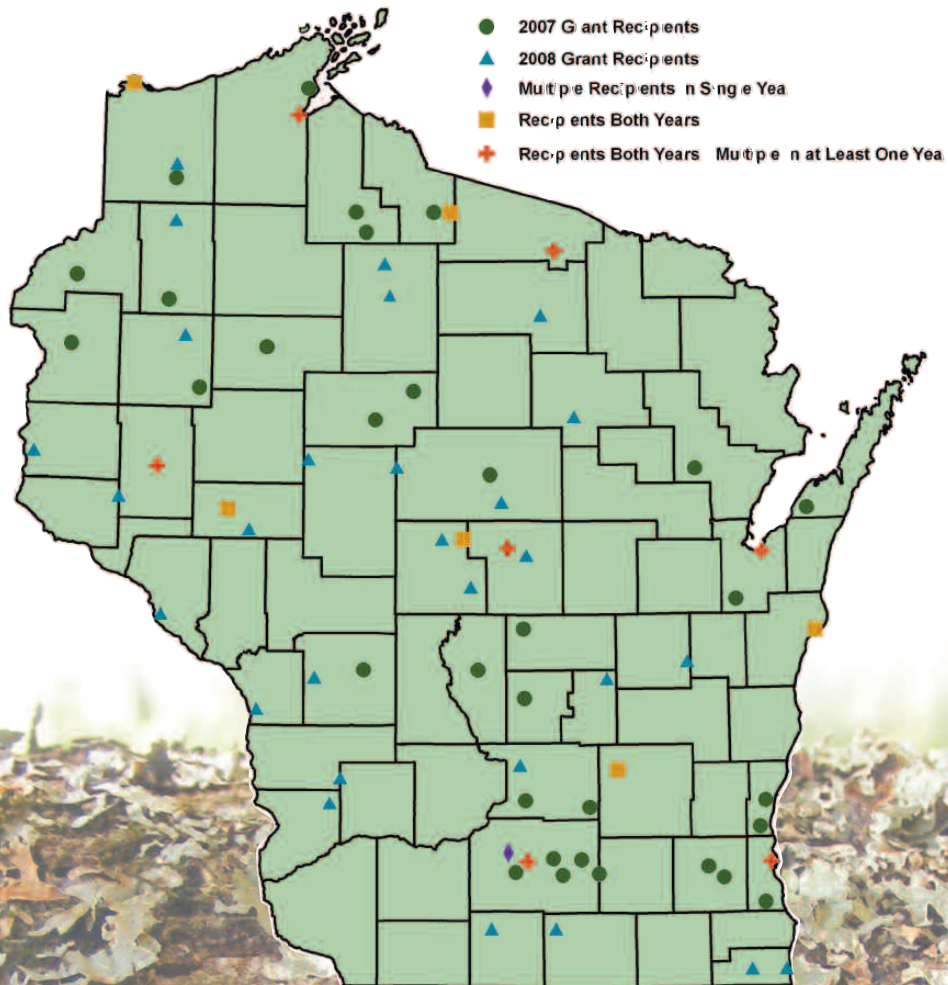
Total Dollars Requested \$800,079
 Average Request \$6,957
 Proposals Received 115

2008

Total Dollars Requested \$777,662
 Average Request \$6,882
 Proposals Received 114

	Projects Funded	Dollar Value Funded
General	39	\$158,972
Forestry	12	\$199,908
School Forest	21	\$180,077
Total	72	\$538,957

	Projects Funded	Dollar Value Funded
General	23	\$74,852
Forestry	17	\$267,645
School Forest	17	\$116,913
Energy	10	\$36,214
Total	67	\$495,624



DEVELOPMENT PROGRAM



As citizens of this state we all have a stake in preserving and enhancing our environmental heritage. We invite your input as we promote learning opportunities for our citizens so that everyone, youngest to oldest, will gain more knowledge and skill to ensure an even more positive legacy for our environment. The WEEB Development program is one way Wisconsin residents contribute to our State's rich environmental heritage. These collective and individual efforts make a difference!

Public Support

The transfer of WEEB's annual \$200,000 general public revenue appropriation to a segregated fee appropriation in 2003 has enabled WEEB's forestry and school forest education programs to blossom. Unfortunately, WEEB's general environmental education grant program has been correspondingly restricted, both in terms of size and number of awards. Thus WEEB's ability to carry out its mission to promote environmental education in all segments of society has been severely limited.

In 2003, the Board established a task force to identify possible revenue appropriation sources to help return the general environmental education grant program to its historical level. In addition to reauthorization of the GPR support and legislation to increase the level of funding from environmental fines, the task force identified several additional state revenue sources including: littering fines, a bottle deposit, a specialty license plate fee, a tax check-off donation program and a surcharge on plastic bags.



Sustained efforts since 2003, with legislative leadership from Senators Mark Miller and Fred Risser and Representatives Louis Molepske and Pedro Colon, among others, has recently resulted in legislative authorization to increase funding for WEEB's general EE grant program. Specifically, Wisconsin's 2009-2011 budget included an amendment to increase the amount and relative percent allocation to WEEB from the surcharge on environmental fines. Once fully implemented, WEEB's income for general EE grants is projected to gradually increase from its current average of about \$90,000 per year to \$252,000 per year (post 2010-2011).

Private Support

1989 Wisconsin Act 299 established the WEEB and authorized it to seek private funds to supplement state support of the grant program.

After extensive efforts to secure private funds produced returns well short of realistic goals, it became evident that raising funds with a directly associated nonprofit corporation as the depository for the funds was essential. In 2004, the Wisconsin Environmental Education Foundation (WEEF), a nonstock nonprofit corporation, was registered with the state of Wisconsin; and in 2005 was approved by the Internal Revenue Service as a 501(c)3 organization.

In 2007, the WEEF was approved as an "umbrella group" coordinator within the annual State Employee Combined Campaign (SECC) program; in 2008, \$37,829

was contributed to the WEEF umbrella group and its member charities. In 2009, the WEEF secured the first corporate donation (\$15,000) from the Wisconsin Energy Foundation to support the goal of creating a comprehensive, state-wide water education program. WEEF also played a key leadership role in the environmental surcharge initiative.

WEEF and WEEB will continue to work cooperatively to identify, cultivate, secure, and steward potential donors. If you are interested in contributing or finding out more about the WEEF and its work in support of the WEEB, refer to the WEEF website at:

www.wisconsinEEfoundation.org





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Loose Animals Art & Design
Hancock, Wisconsin
www.looseanimals.com

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Permit No. 19
Stevens Point, WI
54481



WISCONSIN ENVIRONMENTAL EDUCATION BOARD
110B COLLEGE OF NATURAL RESOURCES
UNIVERSITY OF WISCONSIN-STEVENS POINT
STEVENS POINT, WI 54481



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