

**The Focus on Energy  
Environmental and Economic Research and Development Program  
PROPOSALS FUNDED IN CALENDAR YEAR 2009**

- 1. Wisconsin Farm Biomass Production and the Emerging Carbon Economy**  
\$148,913 (total funding over 2 years)  
Carol Barford, Principal Investigator  
University of Wisconsin-Madison, Center for Sustainability and the Global Environment (SAGE)
- 2. Evaluating Nocturnal Bird and Bat Migration in the Upper Mississippi River Valley and Its Implications for Siting Wind Energy Facilities: A Workshop Series for Resource Agencies and Wind Developers**  
\$26,827 (1-year project)  
Contact: Brian Bub  
Natural Resources Consulting, Inc., Cottage Grove, WI
- 3. Maximizing Ecological Services and Economic Returns by Targeted Establishment of Biomass Yielding Grasslands in Wisconsin**  
\$164,853 (total funding over 2.5 years)  
Mathew Dornbush, Principal Investigator  
University of Wisconsin-Green Bay, Department of Natural and Applied Sciences
- 4. Land Use and Ecological Consequences of a Wood Gasification Energy Facility at UW-Stevens Point: A Spatial Analysis with Statewide Consequences**  
\$54,491 (total funding over 1.5 years)  
Anna Haines, Principal Investigator  
University of Wisconsin-Stevens Point, UW Extension Center for Land Use Education
- 5. Life Cycle Analysis of Pellet Fuels**  
\$47,914 (1-year project)  
John Katers, Principal Investigator  
University of Wisconsin-Green Bay, Department of Natural and Applied Sciences
- 6. Farmer's Willingness to Adopt Practices and Participate in Programs to Sequester Carbon**  
\$44,486 (1-year project)  
Ed Nelson, Principal Investigator  
Wisconsin Department of Natural Resources, Bureau of Science Services
- 7. Renewable Fuel Availability, Extraction and Usage Potential Impacts**  
\$95,550 (total funding over 2 years)  
Donald Peterson, Principal Investigator  
Sustainable Resources Institute, Inc., Florence, WI

- 8. Carbon Sequestration on Private Forests: Understanding the Silent Majority**  
\$76,940 (total funding over 1.5 years)  
Mark Rickenbach, Principal Investigator  
University of Wisconsin-Madison, Department of Forest and Wildlife Ecology
- 9. Wisconsin NADP National Trends Network**  
\$58,109 (ongoing air quality monitoring for 2009)  
Bruce Rodger, Principal Investigator  
Wisconsin Department of Natural Resources, Bureau of Air Management
- 10. Wisconsin Mercury Deposition Network**  
\$90,857 (ongoing mercury monitoring for 2009)  
Bruce Rodger  
Wisconsin Department of Natural Resources, Bureau of Air Management
- 11. An Ecosystem Management Approach to Biomass Production in Southern Wisconsin**  
\$186,643 (total funding over 3 years)  
David Sample, Principal Investigator  
Wisconsin Department of Natural Resources, Bureau of Science Services
- 12. Impacts of Climate Change on Fluxes of Carbon and Water in Northern Wisconsin Lakes and Wetlands**  
\$139,969 (total funding over 2 years)  
Carl Watras, Principal Investigator  
Wisconsin Department of Natural Resources, Bureau of Science Services
- 13. Identifying Climate Analogs and Potential Shifts in Forest Composition and Extent for Southern Wisconsin Under 21<sup>st</sup> Century Climate Change Scenarios**  
\$192,046 (total funding over 2 years)  
John Williams, Principal Investigator  
University of Wisconsin-Madison, Center for Climatic Research
- 14. Land Use, Soil Health, and Water Quality Changes with Woody Energy Crop Production in Wisconsin and Minnesota**  
\$169,020 (total funding over 2.5 years)  
Ronald Zalesny, Principal Investigator  
United States Forest Service, Northern Research Station