

**The Focus on Energy
Environmental and Economic Research and Development Program
PROPOSALS FUNDED IN CALENDAR YEAR 2010**

- 1. Farm-based Bioenergy Infrastructure for Wisconsin: Too Big, Too Little or Just Right?**
Award: \$149,418 (total funding over 2 years)
Carol Barford, Principal Investigator
University of Wisconsin-Madison, Center for Sustainability and the Global Environment (SAGE)
- 2. Public Health Benefits in Wisconsin from Biomass Energy Production**
\$243,351 (total funding over 2 years)
Larry Bruss, Principal Investigator
Wisconsin Department of Natural Resources, Bureau of Air Management,
Madison, WI
- 3. Development of a Regional Wildlife Mapping Tool to Guide Renewable Wind Energy Project Siting in the Upper Mississippi River Basin's Driftless Area**
\$34,943 (1 year project)
Brian Bub, Principal Investigator
Natural Resources Consulting, Inc., Cottage Grove, WI
- 4. Observing Carbon Fluxes and Potential Climate Change Impacts from Forest Land Management in Wisconsin**
\$93,108 (total funding over 3 years)
Ankur R. Desai, Principal Investigator
University of Wisconsin-Madison, Department of Atmospheric and Oceanic Sciences
- 5. A Collaborative and Regional Analysis of Bird and Bat Mortality at Three Wind Farms in Southeastern Wisconsin**
\$39,026 (1 year project)
David Drake, Principal Investigator
University of Wisconsin-Madison, Department of Forest and Wildlife Ecology
- 6. Downscaling Wind and Other Climatological Parameters of Relevance to Energy Production in Wisconsin**
\$174,266 (total funding over 2 years)
David J. Lorenz, Principal Investigator
University of Wisconsin-Madison, Center for Climatic Research
- 7. Assessing Long-term Hydrologic Impacts of Climate Change across Wisconsin** \$55,841 (1 year project)

Adam Mednick, Principal Investigator
Wisconsin Department of Natural Resources, Bureau of Science Services
Madison, WI

8. **Economic and Environmental Impact of Biomass Types for Bioenergy Power Plants**
\$158,366 (total funding over 2 years)
Troy Runge, Principal Investigator
UW-Madison, College of Agricultural and Life Sciences
9. **Contributions of Fossil Fuel-fired Electric Power Generation to PM2.5 Concentrations in Wisconsin**
\$212,741 (total funding over 2 years)
James J. Schauer, Principal Investigator
University of Wisconsin-Madison, Civil and Environmental Engineering
10. **Impacts of Bioenergy Crop Production on Environmentally Sensitive Lands**
\$186,358 (total funding over 2 years)
Steve Ventura, Principal Investigator
University of Wisconsin-Madison, Department of Soil Science