

The Focus on Energy
Environmental and Economic Research and Development Program
PROPOSALS FUNDED IN FISCAL YEAR 2007-2008

- 1. Development of a Research Proposal to Evaluate Impacts to Birds of Wind Development in Offshore Areas of Lake Michigan**
\$18,480
Noel Cutright, Principal Investigator
Wisconsin Society for Ornithology, Inc.
- 2. Impacts of Harvesting Forest Residues for Bioenergy on Nutrient Cycling and Community Assemblages in Northern Hardwood Forests**
\$144,155
Deahn Donner, Principal Investigator
U.S. Forest Service, Institute for Applied Ecosystem Studies, Northern Research Station
- 3. Coordinated Energy Strategies for Climate and Air Quality**
\$91,803
Tracey Holloway, Principal Investigator
University of Wisconsin-Madison, Center for Sustainability and the Global Environment
- 4. Assessment of Photovoltaics at High Penetration on Peak Demand and Annual Energy Use**
\$50,788
S. A. Klein, Principal Investigator
University of Wisconsin-Madison, Department of Mechanical Engineering, Solar Energy Laboratory
- 5. Quantifying the Economic and Ecological Aspects of Forest Biomass Harvesting in Wisconsin**
\$123,480
Karl Martin, Principal Investigator
Wisconsin Department of Natural Resources
- 6. Potential Effects of Climate Change on Inland Glacial Lakes and Implications for Lake Dependent Biota in Wisconsin**
\$99,911
Michael Meyer, Principal Investigator
Wisconsin Department of Natural Resources, Bureau of Science Services

- 7. Impacts of Biomass Removal on Carbon and Nitrogen Cycling in Wisconsin Northern Hardwood Forests**
\$110,934
David J. Mladenoff, Principal Investigator
University of Wisconsin-Madison, Department of Forest and Wildlife Ecology
- 8. Energy Intensity and Environmental Impact of Integrated Dairy/Bioenergy Systems in Wisconsin**
\$175,181
Douglas Reinemann, Principal Investigator
University of Wisconsin-Madison, College of Agricultural and Life Sciences
- 9. Assessing Sustainability of Switchgrass Production in Southwestern Wisconsin**
\$245,741
Mark Renz, Principal Investigator
University of Wisconsin-Madison, Agronomy Department
- 10. Consumer Adoption & Grid Impact Models for Plug-in Hybrid Electric Vehicles in Wisconsin**
\$66,077
Giri Venkataramanan
University of Wisconsin-Madison, Department of Electrical Engineering:
- 11. Climate Change in Wisconsin**
\$87,633
Daniel J. Vimont, Principal Investigator
University of Wisconsin-Madison, The Nelson Institute, Center for Climatic Research
- 12. Monitoring the Impact of Climate Change on Water Resources in Northern Highland American Legion State Forest in Wisconsin (NHAL): Phase II**
\$56,729
Carl Watras, Principal Investigator
Wisconsin Department of Natural Resources, Bureau of Endangered Resources
- 13. Identifying Trade-offs Between Biomass Production and Biological Diversity in Wisconsin's Forests and Grasslands to Meet Tomorrow's Bioenergy and Biofuel Needs**
\$130,678
Christopher Webster, Principal Investigator
Michigan Technological University, School of Forest Resources and Environmental Science
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