

# IAWIND - Research Funding Opportunities

(updated 3 April, 2011)

**Purpose:** To accelerate the growth of wind-energy research conducted at Iowa's research universities.

**Eligibility:** Full-time tenure and tenure-track faculty, research scientists, research engineers, other staff members for whom research and scholarship are assigned as one of their primary job responsibilities and have at least a 50% university appointment at Iowa State University, University of Iowa, or University of Northern Iowa are eligible to apply. Visiting faculty, lecturers, postdoctoral associates, fellowship trainees, medical residents, graduate students, and undergraduate students are not eligible.

**Funding Duration:** 3 years maximum

## Description of Funding Areas:

- **Funding Element 1a: Industry-matched Research and Development** – This funding element is intended to accelerate the growth of wind-energy research conducted at Iowa's research universities. IAWIND will support basic and applied research, as well as facilitate contract research in support of siting, design, manufacturing, data acquisition and monitoring, control and construction of wind power devices and facilities, and stable and optimal grid-tie connection of wind farms. Funding Elements 1a will require a 1:1 financial match by wind energy companies located in Iowa. IAWIND will assess their potential for advancing Iowa's wind energy industry. The Iowa Power Fund will grant final approval and funding of the projects. This funding element is structured to incentivize faculty researchers and wind energy businesses in Iowa to partner on projects that directly impact the industry. A total of \$1.2 million is available from IAWIND. Applications for IAWIND funds may not exceed \$300,000. All applications require 1:1 match.
- **Funding Element 1b: Long-term Basic Research** - This funding element is intended to prioritize future research needs, develop a plan to address these needs, and to develop proposals aimed at Federal agencies to secure a broader research base. IAWIND solicits proposals for advancing Iowa's wind industry. IAWIND will assess their potential for advancing Iowa's wind energy industry. The Iowa Power Fund will grant final approval and funding of the projects. A total of \$200,000 is available from IAWIND. Applications for IAWIND funds may not exceed \$100,000.

**Proposal Guidelines:** The investigator is strongly advised to write in straightforward language that emphasizes why the area of investigation is important to advancing wind energy in Iowa and how they will conduct the research. Remember that most reviewers will not be experts in your field of study. Your objective is to assist the reviewer in understanding the goals, merits and feasibility of your project. The application must contain the following sections in the order indicated, with each section being clearly identified and beginning on a new page.

1. Applicant Information and Project Summary (maximum: one page): Project title; Applicant name, affiliation, address, phone and email; Industry partner name and contact information; Brief project summary.
2. Project Description (maximum: four pages):
  - a. Provide an explanation of the purpose and significance of the research.
  - b. Identify the wind energy companies located in Iowa to which you will target your proposal. Explain why there is a good fit between the company and your research.
  - c. Provide methods and procedures.
3. Budget and Anticipated Expenditures (maximum: one page): Provide table showing amounts budgeted under the following categories for each year of your project:

<u>Budget Category</u>	<u>IAWIND (\$)</u>	<u>Match (\$)</u>
Salaries/Wages		
Fringe Benefits		
Equipment		
Supplies/Materials		
Travel		
<u>Tuition</u>		
Total		

Note: Per IAWIND's agreement with the Iowa Power Fund, no indirect costs may be charged.

4. Timeline (maximum: one page): Provide a clear schedule for the research project with identified milestones related to the aim(s).
5. Deliverables (maximum: one page): Provide a list of what specifically will be accomplished by the end of the project period.
6. Curriculum Vitae: (maximum two pages).

**Contacts for Additional Information:**

Potential applicants are encouraged to discuss the requirements of the research funding opportunity with the following managers before applying:

Dr. Reg Pecen at University of Northern Iowa, [pecen@uni.edu](mailto:pecen@uni.edu)

Dr. Ron Cox at Iowa State University, [rcox@iastate.edu](mailto:rcox@iastate.edu)

Dr. P. Barry Butler at University of Iowa, [patrick-butler@uiowa.edu](mailto:patrick-butler@uiowa.edu)

**Due Date:**

Applications will be reviewed the first day of every month.