

Fiscal Year 2010 Request for Applications

Under Section 104 of the Water Resources
Research Act of 1984, as Amended



Closing Date: November 13, 2009

Each year, the Arkansas Water Resources Center funds projects through the 104B program as instituted by the Water Resources Research Act of 1984. The application for fiscal year 2010 is contained within this document. Selected applicants will be notified no later than December 18, 2009.

Please Contact the AWRC if you have any questions.

**Arkansas Water
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Arkansas Water Resources Center Fiscal Year 2009 Request for Applications

Electronic Filing of Applications Required

Applications under this Announcement will be accepted only through the internet site at <https://niwr.net/>. Preparation of each application must follow the instructions contained herein.

Please note the directions and due dates on the website are for the Arkansas Water Resources Center and not for applicants, and as such, are different than those contained within this document.

I. Introduction

This Request for Applications (RFA) is issued under the provisions of section 104 of the of the Water Resources Research Act of 1984 (Public Law 98-242), as amended by Public Laws 101-397, 104-147, 106-374, and 109-471. Section 104 of the Water Resources Research Act directs the Secretary of the Interior to administer program grants to the Arkansas Water Resources Center established under the provisions of section 104(a) of the Act.

II. Program Objectives

Section 104(b) of the Water Resources Research Act of 1984 requires the Arkansas Water Resources Center (AWRC) to:

- 1) "plan, conduct, or otherwise arrange for competent applied and peer reviewed research that fosters-
 - a. Improvements in water supply reliability;
 - b. The exploration of new ideas that-
 - i. Address water problems; or
 - ii. Expand understanding of water and water-related phenomena;
 - c. The entry of new research scientist, engineers, and technicians into water resources fields; and
 - d. The dissemination of research results to water managers and the public.
- 2) "cooperate closely with other colleges and universities in Arkansas that have demonstrated capabilities for research, information dissemination, and graduate training in order to develop a statewide program designed to resolve state and regional water and related land problems."
- 3) "cooperate closely with other institutes and other organizations in the region to increase the effectiveness of the institutes and for the purpose of promoting regional coordination."

III. Eligible Applicants

Applications will only be accepted from faculty members or affiliates at institutions of higher education in the State of Arkansas.

IV. Matching Funds

- 1) Each applicant must match each Federal dollar provided with not less than two dollars from non-federal sources.
- 2) The matching funds shall be obligated during the period of performance.
- 3) The matching requirement should be met during each 12-month budget period.
- 4) Matching funds may contain indirect costs and non-federal salaries and benefits. The applicant's negotiated indirect cost rate (NIRC) may be applied to **both** qualifying federal and non-federal direct costs, and the result used to satisfy part of the matching requirement under

the non-federal share. The NICR shall not be applied to tuition and equipment costs. **Federal funds shall not be used to pay indirect costs.**

V. Application Due Date

Applications must be filed on the Internet at <http://niwr.net/> prior to **11:00:00 Central Standard Time, November 13, 2009.**

VI. Application Contents

Each application shall consist of the following items. Items 1-3 will be submitted as text directly into a Web form. Item 4 will be uploaded to the website. Item 4 may be prepared using the word processing software of choice, but must be translated to PDF format prior to being deposited.

- 1) Basic Project Information
- 2) Budget Break Down Form
- 3) Budget Justification Form
- 4) Project Proposal

The project proposal file should contain the following items and should not exceed 10 single-spaced pages – 12 point font, exclusive of resumes (Item H).

- a) Title. Please use the same Title as entered into the Basic Project Information Web Form.
- b) Statement of regional or State water problem. Include an explanation of the need for the project, who wants it, and why.
- c) Statement of results or benefits. Specify the type of information that is to be gained and how it will be used.
- d) Nature, scope and objective of the project, including a timeline of activities.
- e) Methods, procedures, and facilities. Provide enough information to permit evaluation of the technical adequacy of the approach to satisfy the objectives.
- f) Related research. (Research projects only) Show by literature and communication citations the similarities and dissimilarities of the proposed project to be completed or on-going work on the same topic.
- g) Training Potential. Estimate the number of graduate and undergraduate students, by degree level, who are expected to receive training in the project.
- h) Investigator's qualifications. Include resume(s) of the principal investigators(s). No resume shall exceed two pages or list more than 15 pertinent publications.

VII. Application Instructions

Each application must be submitted through the website at <https://niwr.net/>. Each applicant will have to register and create a User ID. To submit a proposal, click "Log in to OPMS Subsystems" on the left tool bar. Next, click on the 104 (B) System. Then, click "Add New Proposal".

Step 1: Basic Project Information:

The directions on the website under Step 1 are relevant to the applicant.

- 1) Title. Concise but descriptive.
- 2) Project Type. Choose from the following: Other, Research, Education, Information Transfer, or Information Management System.
- 3) Start Date. The start date should be March 1, 2010.

- 4) End Date. The end date should be February 1, 2011.
- 5) Congressional District. Congressional District of the university where the work is to be conducted (For example, the northwest portion of Arkansas is in the 3rd District.)
- 6) Research Category. Choose from the following, the one category that most closely applies: Biological Sciences, Climate and Hydrologic Processes, Engineering, Ground-Water Flow and Transport, Social Sciences, or Water Quality.
- 7) Focus Categories. Choose a maximum of three focus categories from the list provided with the most preferred focus category first.
- 8) Keywords. Enter keywords of your choice descriptive of the work.
- 9) Principal Investigator(s). Select PI from list. Additional PIs can be added under "Other PIs". **Note: All PIs will have to register for a User ID to be listed in the menu.**
- 10) Abstract. Provide a brief (one-page) description of the problem, methods, and objectives in the space provided at the internet site.

Step 2: Budget Breakdown Form

Click on "Budget Breakdown" link under your project name highlighted in blue. The instructions provided on the website are relevant to the applicant.

Complete the budget breakdown form and click "Calculate Totals". If you are not automatically directed to Step 3, click on Edit/View Proposals on the left tool bar to continue the application process.

Step 3: Budget Justification Form

Click on "Budget Justification" link under your project name highlighted in blue. The instructions provided on the website are relevant to the applicant. Complete the budget justification form and click "Submit".

Step 4: Upload Proposal

Upload proposal File: Note file must be in PDF format.

Step 5: Generate Proposal PDF Package

Click on Generate Proposal PDF Package link under your project name highlighted in blue. Your completed package will appear as a PDF. Make sure you save a copy for your records. Close the window to exit the application process.

Note: Make sure you generate a new proposal package each time you make any edits. All edits must be completed by November 13, 2009 at 11 AM Central Time.