

Water Resources 104B Grant Program

The University of Arizona's Water Resources Research Center (WRRC) is accepting proposals for research grants under the Water Resources Research Act, Section 104B. Funded by the U.S. Geological Survey, Section 104B provides support for small research projects on water-related issues of importance to the state and region. The WRRC expects to distribute about \$50,000 to fund research projects, although the federal budget has not yet been approved and we do not have exact figures.

Only faculty members at the three Arizona state universities may submit proposals. Researchers in any of the social, biological, physical, or engineering sciences, and other fields such as public health, water law, economics and water management are invited to apply. The start date for funded projects is March 1, 2005.

The WRRC will convene an external review committee which will review all proposals. In addition, each proposal will be reviewed by reviewers experienced in the field of the proposal. The WRRC will make final award decisions on the basis of input from both groups and available funding.

PROPOSAL GUIDELINES

Deadline is November 22, 2004

Submission Procedure:

1. Proposals will be accepted only through the Internet site at <http://niwr.org/>.
2. Applicants must be registered on the site, and may do so by going to the site and clicking on "Registration" on the menu. To submit a proposal through the site, click on "Add New Proposal". The system requires that certain basic project information be entered directly and that the text of the proposal be uploaded in .PDF format.
3. In addition to submitting the proposal on-line, you must submit to WRRC one electronic version and ten hard copies of the proposal containing the 19 elements required on the attached list. Signed paperwork as described below must also be submitted to the WRRC.
 - Budget and detailed justification (form attached, justify each item on another page).
 - Cost sharing commitment letter (2 to 1: non-federal to federal \$. Federal dollars may not be used for matching funds, see below). This letter must be signed by your chairman, dean or authorized university representative.
 - For U of A – Provide an unsigned Proposal Routing Sheet.
 - Negotiated Indirect Rate Agreement for your institution if not U of A.
 - For U of A – A signed Proposal Routing Sheet will be required from those projects that are awarded grants.

Funding Information/Selection Criteria:

Proposals should be for projects of 12 months in duration and are recommended at about \$10,000 to \$12,000 in federal funding. A 2:1 match of non-federal to federal dollars is required. Indirect costs are not allowed on the federal cost category (Public law 101-397, Water Research Institutes Authorization). However, indirect costs may be used to provide part of the matching requirement, i.e., you may use the indirect costs computed for federal funds

as part of the non- federal match, and indirect costs are allowed on the non-federal funds.

Selection Criteria:

Technical Merit - 30%

Educational Opportunity for Students - 25%

Applicability to the State's Needs - 15%

Feasibility- 15%

Researcher Qualifications - 15%

RESEARCH PROPOSALS

The proposals consist of the following 19 elements. Please keep in mind that items numbered 1 through 11 will be entered on the Web form provided at the NIWR Website.

The proposals shall consist of the following 15 elements:

1. Title. Concise but descriptive.
2. Project Type. Research or Education.
3. Focus Categories. List a maximum of three focus categories, with the most preferred focus category first. A list of the focus categories is provided in Exhibit 1. Enter the abbreviations, in capital letters as provided, for the categories and separate them with commas.
4. Keywords. Enter keywords of your choice descriptive of the work.
5. Start Date. Enter the actual beginning date for the project.
6. End Date. Enter the estimated ending date for the project.
7. Principal Investigator(s). Provide name, academic rank, university, email address and phone number of the principal investigators.
8. Congressional District of the university where the work is to be done.
9. Abstract. Provide a brief (one-page) description of the problem, methods, and objectives in the space provided on the Internet site.
10. Budget Breakdown, as requested by the Web form.
11. Budget Justification, as requested by the Web form.

Items 12 through 19 are to be “deposited” as a file document in PDF format on the website.

Note: This document shall not exceed 10 single-spaced pages – 12 point font, exclusive of resumes (item 19).

12. Title. Please use the same title as was entered in the Web form under item 1, above.
13. Statement of critical regional or State water problem. Include an explanation of the need for the project, who wants it, and why.
14. Statement of results or benefits. Specify the type of information that is to be gained

and how it will be used.

15. Nature, scope, and objectives of the research, including a timetable of activities.

16. Methods, procedures, and facilities. Provide enough information to permit evaluation of the technical adequacy of the approach to satisfy objectives.

17. Related research. (Research projects only) Show by literature and communication citations the similarities and dissimilarities of the proposed project to completed or on-going research on the same topic.

18. Training potential. Estimate the number and level of graduate and undergraduate students, by field of study and degrees, that are expected to receive training in the project.

19. Investigator's qualifications. Include a resume(s) of the principal investigator(s). **No resume shall exceed three pages.**

Please note that the procedure for logging into the NIWR 104B Webpage (and all other subsystems) has been changed for security reasons. The procedure is now as follows:

Go to <https://niwr.org/>

If not registered on the system, click on "Registration" under "Tools" on the menu on the left side of the page. If already registered, go directly to the next step.

If registered, click on "Log in to ERAS subsystems" under "Enter NIWR Systems" on the menu.

Click on "104B System" under "Enter NIWR Systems" on the menu.

If you have any questions about the use of the 104B system to accept your proposals, please contact Kamie Redinbo (kamie@niwr.org).

For more information:

Terry Sprouse

Water Resources Research Center

University of Arizona

350 N. Campbell Ave

Tucson, AZ 85719

Tel: (520) 792-9591 Ext. 13

Fax: (520) 792-8518

E-mail: tsprouse@ag.arizona.edu

Budget Breakdown

Project Number: _____

Project Title: _____

Principal Investigator(s):

Cost Category	Federal	Non- Federal	Total
1. Salaries and Wages	\$	\$	\$
Principal Investigators:			
Total Salaries and Wages	\$	\$	\$
2. Fringe Benefits			
3. Supplies			
4. Equipment			
5. Services/ Consultants			
6. Travel			
7. Other Direct Costs			
8. Indirect Costs	XXXXXXXXXXXX		
9. Total Estimated Cost	\$	\$	\$

* This form is provided for format only. Use additional sheets to incorporate the requested supporting information.

BUDGET BREAKDOWN

Submit a detailed budget for each project number, which includes the following line items. (Indicate the amount of cost sharing for each element):

1. Salaries and Wages.

Identify the individuals and categories of salaries and wages, estimated hours or percentage of time, and the rate of compensation proposed for each individual or category. (Tuition remission and other forms of compensation paid as or in lieu of wages to students performing necessary work are allowable provided that the tuition or other payments are reasonable compensation for the work performed and are conditioned explicitly upon the performance of necessary work). If the rate of pay shown is higher than the current rate of pay, include an explanation.

2 Fringe Benefits.

Propose rates/amounts in conformance with normal accounting procedures. Explain the costs and the basis of the rate computations. Indicate whether the rates are used for application purposes or whether they are fixed or provisional rates for billing purposes.

3 Supplies.

Indicate separately the amounts estimated for office, laboratory, computing, and field supplies. Provide detail on any specific item which represents a significant portion of the proposed amount. If fabrication of equipment is proposed, list parts and materials required for each, and show costs separately from the other items.

4 Equipment.

Identify nonexpendable property having a useful life of more than 1 year and acquisition cost of more than \$5,000 per unit.

5. Services or consultants.

Identify the specific project numbers for which these services would be used. List the contemplated consultants (including sub-recipients), the estimated amount of time required, and the quoted rate per day or hour. State whether the consultant's rate is the same as s/he has received for similar services under other Government awards.

6. Travel.

All estimated costs should be itemized showing the number of trips required, type of trip (field, scientific meeting or conference attendance) the destinations, number of people traveling, per diem and local reimbursement rates allowed by the applicant, and any miscellaneous expenses for each trip.

Note: All travel is to be in accordance with the established travel policy of the applicant's university. A copy of the applicant travel policy may be attached.

7. Other direct costs.

Itemize the costs not included elsewhere; e.g., shipping, telemetry, computing, equipment-use charges, age dating, or other services. Provide breakdowns showing how the cost was estimated; e.g. computer time should show the type of computer, the estimated time of use, and the established rates.

8. Indirect costs.

Specify the indirect costs in the non-Federal column only based on the applicant's approved rate agreement. An amount equivalent to what the indirect costs would have been under the Federal portion may also be included as match under the indirect cost in

the non-Federal portion.

9. Total estimated costs.

Total items (1) through (8)

Exhibit 1

Focus Categories

ACID DEPOSITION	ACD
AGRICULTURE	AG
CLIMATOLOGICAL PROCESSES	CP
CONSERVATION	COV
DROUGHT	DROU
ECOLOGY	ECL
ECONOMICS	ECON
EDUCATION	EDU
FLOODS	FL
GEOMORPHOLOGICAL PROCESSES	GEOMOR
GEOCHEMICAL PROCESSES	GEOCHE
GROUND WATER	GW
HYDROGEOCHEMISTRY	HYDGEO
HYDROLOGY	HYDROL
IRRIGATION	IG
LAW, INSTITUTIONS, AND POLICY	LIP
MANAGEMENT AND PLANNING	M&P
METHODS	MET
MODELS	MOD
NITRATE CONTAMINATION	NC
NON POINT POLLUTION	NPP
NUTRIENTS	NU
RADIOACTIVE SUBSTANCES	RAD
RECREATION	REC
SEDIMENTS	SED
SOLUTE TRANSPORT	ST
SURFACE WATER	SW
TOXIC SUBSTANCES	TS
TREATMENT	TRT
WASTEWATER	WW
WATER QUALITY	WQL
WATER QUANTITY	WQN
WATER SUPPLY	WS
WATER USE	WU
WETLANDS	WL