



# Call for Proposals

## Fiscal Year 2010

**DEADLINE: Wednesday, November 25, 2009**

### CONTACT WRRC:

Dr. Paula Rees,  
Director  
[rees@ecs.umass.edu](mailto:rees@ecs.umass.edu)

Marie-Françoise Walk,  
Associate Director  
[mfwalk@tei.umass.edu](mailto:mfwalk@tei.umass.edu)

Massachusetts Water  
Resources Research Center

Blaisdell House  
310 Hicks Way  
University of Massachusetts  
Amherst, MA 01003

Phone: 413.545.2842  
Fax: 413.545.2304  
Email: [wrrc@tei.umass.edu](mailto:wrrc@tei.umass.edu)

Web: [www.umass.edu/tei/wrrc](http://www.umass.edu/tei/wrrc)

The Massachusetts Water Resources Research Center (MA WRRC) invites research proposals for the U.S. Geological Survey's Water Resources Annual Institute Program for Fiscal Year 2010. Eligible projects include seed projects to develop new and innovative research; research projects that respond to water resources research needs of state or regional importance; and information transfer activities for water resources protection. **This year, one \$30,000 and three \$5,000 projects will be funded.** Faculty should encourage their graduate students to conceptualize projects to begin, expand, or extend their research and to apply as a Co-PI for research awards at the \$5,000 level. Research awards at the \$30,000 level will preferentially support proposals from untenured faculty. All awards are subject to the federal 2:1 matching requirement. Due date is Nov. 25, 2009. Awards will be announced by December 18, 2009. The anticipated start date for funded projects is April 1, 2010.

*Final MA WRRC awards are contingent upon Congressional approval of FY 2010 funding for the National Water Institute Program.*

### GENERAL GUIDELINES

- Applicants must be faculty or staff at Massachusetts Institutions of Higher Education. Graduate students are encouraged to apply but cannot be listed as the Principal Investigator
- Budgets **must include a \$2 non-federal match for each federal dollar**
- Matching funds must be committed at the time of proposal submission
- Indirect costs *cannot* be charged on federal funds, but can be used as a contribution to the non-federal matching requirement (see budget example)
- **Proposed projects can be up to 12 months in duration.**

### SELECTION CRITERIA

- Relevance and importance to Massachusetts and the Northeast U.S.
- Quality of the research plan.
- MA WRRC funding priorities (start-up projects, new faculty projects).

**ALL PROPOSALS MUST BE RECEIVED NO LATER THAN WEDNESDAY, NOVEMBER 25, 2009\* and must be submitted on-line at <https://niwr.net/>. Budgets must be approved by your institution's grants and contracts office.**

\*UMass Amherst: Must be received at OGCA by Nov. 18, 2009

### RESEARCH AREAS

Proposals are invited in all areas of water resources related research including but not limited to:

- Occurrence, fate and transport of pollutants
- Long-term environmental monitoring
- Watershed planning, management, and policy
- Impacts of climate change on water resources
- Hydrologic modeling
- Source water protection
- Watershed community
- Ecological impacts.

## PROPOSAL GUIDELINES

Each proposal must include the elements listed below:

### Summary Information *(one page)*

1. Title
2. Focus Categories *(see below)*
3. Keywords
4. Duration
5. Budget, including Federal Funds Requested and Non-Federal (matching) Funds Pledged *(see Attachment A) (commitment letter from faculty advisor required)*
6. Budget Justification *(see Attachment B)*
7. Principal Investigator
8. Congressional District

### Proposal Contents *(Page limit: 2 for \$5,000 grants, 7 for \$30,000 grants, including):*

- Statement of Critical Regional or State Water Problem
- Nature, Scope, and Objectives of the Research
- Results Expected

**UMass Amherst Proposals:** Proposals must be submitted to OGCA by Nov 18, 2009. Forward copy of signed IPF (with OGCA number) to WRRRC at Blaisdell House.

**Off Campus Proposals** (Not UMass Amherst): Mail to WRRRC paper copies of:

- Signed Federal Certifications and Assurances Forms
- Matching Funds Commitment Letter from the University's Grants and Contracts Office

| <b>Focus Category</b>                    | <b>Abbreviation</b> |
|--|---------------------|
| Acid Deposition                          | ACD                 |
| Agriculture                              | AG                  |
| Climatological Processes                 | CP                  |
| Conservation                             | COV                 |
| Drought                                  | DROU                |
| Ecology                                  | ECL                 |
| Economics                                | ECON                |
| Education                                | EDU                 |
| Floods                                   | FL                  |
| Geomorphological & Geochemical Processes | G&G                 |
| Groundwater                              | GW                  |
| Hydrogeochemistry                        | HYDGEO              |
| Hydrology                                | HYDROL              |
| Irrigation                               | IG                  |
| Law, Institutions & Policy               | LIP                 |
| Management & Planning                    | M&P                 |
| Methods                                  | MET                 |
| Models                                   | MOD                 |
| Nitrate Contamination                    | NC                  |
| Nonpoint 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                                 | W                   |

## Attachment A: Budget Breakdown

### Proposal Budget – Graduate Student Projects

#### WRRC Proposal Budget Example

| Cost Category                   | Federal    | #weeks | Non-Federal | #weeks | weekly rate | comments                                     |
|---------------------------------|------------|--------|-------------|--------|-------------|--|
| <b>Salaries and Wages</b>       |            |        |             |        |             |  |
| PI                              | \$0        | 0      | \$0         |        |             | based on PI academic year salary             |
| Grad Student                    | \$0        |        | \$0         |        |             | Grad Student Stipend                         |
| <b>Fringe Benefits</b>          |            |        |             |        |             |  |
| PI                              |            |        | \$0         |        |             |  |
| Grad RA H&W                     |            |        | \$0         |        |             |  |
| Grad RA Health fees             |            |        | \$0         |        |             |  |
| Grad FICA                       |            |        | \$0.00      |        |             |  |
| <b>Total Fringe Benefits</b>    | <b>\$0</b> |        | <b>\$0</b>  |        |             |  |
| <b>Supplies</b>                 |            |        |             |        |             |  |
| <b>Equipment</b>                |            |        |             |        |             |  |
| <b>Services (Consult)</b>       |            |        |             |        |             |  |
| <b>Travel</b>                   |            |        |             |        |             |  |
| <b>Tuition*</b>                 |            |        |             |        |             | *2 semesters of tuition waiver (no indirect) |
| <b>Curriculum Fee*</b>          |            |        |             |        |             | * not subject to indirect cost rate          |
| <b>Other</b>                    |            |        |             |        |             |  |
| <b>Total Direct</b>             | <b>\$0</b> |        | <b>\$0</b>  |        |             |  |
| Base for MTDC                   | \$0        |        | \$0         |        |             | Direct - (Curriculum Fee & Tuition)          |
| Indirect costs on fed share     | XXXX       |        | \$0         |        |             |  |
| Indirect costs on non-fed share | XXXX       |        | \$0         |        |             |  |
| <b>Indirect</b>                 |            |        | <b>\$0</b>  |        |             | 58% of Base for MTDC                         |
| <b>TOTAL</b>                    | <b>\$0</b> |        | <b>\$0</b>  |        |             | Direct + Indirect. Non-Fed ≥ 2 * Fed         |

Note that the waived indirect cost can be used toward the match

This worksheet is posted as an excel file with formulas embedded at <http://www.umass.edu/tei/wrrc/Documents/ProposalBudgetExample.xls>

## Attachment B: Budget Justification

**Salaries and Wages.** Provide estimated hours or percentage time and the rate of compensation proposed for each individual. If the rate of pay shown is higher than the current rate of pay, include an explanation.

**Fringe Benefits.** 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.

**Supplies.** Indicate separately the amounts proposed for office, laboratory, computing, and field supplies. Provide detail on any specific item that represents a significant portion of the proposed amount.

**Equipment.** Identify non-expendable personal property having a useful life of more than one year and an acquisition cost of more than \$5,000 per unit. If fabrication of equipment is proposed, list parts and materials required for each, and show costs separately from the other items.

**Services or Consultants.** Identify the specific tasks for which these services would be used. List the proposed 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 he/she has received for similar services under other Government awards.

**Travel.** All estimated costs should be itemized showing the number of trips required, type of trip, the destinations, number of people traveling, per diem, local reimbursement rates allowed by the applicant, and miscellaneous expenses.

**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.

**Indirect Cost Rate.** Provide Indirect Cost Rate