CALL FOR PROPOSALS
New Jersey Water Resources Research Institute
FY2020 Grants Program – Private Well Supplement
“Fostering the Growth of Private Well Researchers at New Jersey’s Universities”

DEADLINE: Wednesday, July 1, 2020 at 12PM, Noon

The New Jersey Water Resources Research Institute (NJWRRI) invites proposals for research addressing water resource issues in the state. We expect to fund up to two research projects conducted by junior faculty.

The mission of the NJWRRI is to fund research that addresses critical water resource problems in New Jersey, and by so doing, to produce the water resource professionals needed to protect and manage water in our increasingly crowded state. Specifically, funding has been made available through a Centers for Disease Control and Prevention (CDC) and New Jersey Departments of Health (NJDOH) and Environmental Protection (NJDEP) to reduce hazardous exposures from private drinking water wells.

To this end, NJWRRI especially encourages proposals from junior faculty to develop research programs targeting priority private drinking water issues. This is the third year this Private Well supplement is being offered.

Three types of projects are invited:

a) **research** projects which address unanswered questions in human exposure including treatment effectiveness or health impacts from residential private well drinking water contamination including but not limited to arsenic, radionuclides, microbiological, unregulated, and other emerging contaminants of interest and/or climate vulnerabilities and private wells

b) **information transfer** projects which explore and develop novel methods of communicating private well water information to the public

c) **assessment** projects regarding well water treatment and mitigation
JUNIOR FACULTY-INITIATED PROJECTS:
Up to two projects are to be funded at a level up to $15,000 per project.

Each project should be one year in duration (i.e., August 1, 2020 to July 31, 2021) and produce a product at the conclusion of the project year. The investigator should indicate how the funding will act as a “seed grant” to spur the development of a larger research program on private well drinking water problems and what other sources of funding may be available or may be sought to continue the research.

Proposals will be evaluated by the NJWRRI Advisory Council (a diverse panel of experts representing academic researchers, government scientists involved in the management of water resources, water resource experts in the private sector, and private well water issues) according to criteria of 1) scientific merit, 2) promise for future scientific productivity (e.g., follow-on funding), and 3) relevance to New Jersey’s private well drinking water research priorities.

Please note that a 2:1 match of dollars (two (2) non-federal dollars for each (1) dollar of WRRI support) is required. The match usually includes salary of the faculty investigator and the indirect costs and fringe benefits associated with this salary. Since the funding cannot be used for indirect costs, these costs also can be used toward the match. Matching dollars can be provided from any non-federal source. Note: NJWRRI policy is to exclude faculty summer salary.

Please submit an electronic copy by email to:

Christopher C. Obropta, Director, NJWRRI at njwrri@njaes.rutgers.edu.

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For questions about the proposal or the budget, please contact Christopher C. Obropta at njwrri@njaes.rutgers.edu.
Proposals that do not follow the guidelines below will not be considered for funding.

FOR ALL PROPOSALS:

• Use a minimum 12-point typeface and 1” margins.
• Please paginate.
• Please submit as a single document.

FORMAT FOR JUNIOR FACULTY PROPOSALS (up to $15,000)

1. Cover page (1-page single-spaced maximum) to include:
   a. Project Title
   b. Project Type (Research, Information Transfer, Assessment)
   c. Congressional District
   d. Keywords (provide at least three and no more than six)
   e. Investigator(s) name(s), institutional address(es), telephone, email address(es)
   f. Amount requested
   g. Abstract – 250 words maximum - This should inform readers about the problem to be addressed, the general approach to be taken, and the results that are anticipated.

2. Proposal Narrative (5-page double-spaced maximum) to include:
   a. Priority issue that is addressed by the study
   b. Briefly describe how the study will contribute to the understanding and/or solution of the problem and why it is important to New Jersey.
   c. Background - Describe the scientific rationale for the proposed work. This section should include the review of relevant literature and should indicate how the proposed study will contribute to new knowledge in the relevant field.
   d. Specific objectives and/or hypotheses of the study
   g. Research methods, experimental design, and expected results - Include sufficient information so that reviewers on the Advisory Council can judge the technical competence and originality of the work, the likelihood that the work can be completed in the specified time, and that the results will constitute important new and useful information. All studies should be one year in duration. Please describe what products will result from the one-year of funding.
   h. Briefly describe whether this proposal involves Human Subjects Research. Have you obtained IRB approval to conduct this work? If not, please describe your plan and timeline to obtain IRB approval before the start of the research. (Note: A copy of IRB approval must be provided with the first quarterly report.)
   i. Provide a draft plan for how the study results and key outcomes will be communicated effectively and in a timely manner to both research participants (if applicable) and other end users who will apply the results for the benefit of the private well drinking water community.
   j. Explain specifically how the study results will be utilized in a teaching and/or outreach/extension capacity.
3. Literature cited (not included in 5-page limit)

4. Indicate if you have received prior funding from the NJWRRI. (not included in 5-page limit)

5. Two-page curriculum vitae for each principal investigator; include the 10 most relevant publications (maximum) (not included in the 5-page limit)

6. Provide the names and contact information (phone number, email address) for three scholars external to your institution who can provide peer reviews and for whom there is no conflict of interest (i.e., prior collaborative or training relationships); please do NOT include scientists with the NJDEP or other New Jersey agencies; these agencies already provide reviews of WRRI proposals. (not included in the 5-page limit)

7. Budget (use form in Attachment 1) (not included in the 5-page limit)

8. Budget justification (use form in Attachment 2) (not included in the 5-page limit)

9. Matching funds commitment letter
   All applicants must provide an institutional cost-sharing agreement (letter) signed by an official authorized to commit the applicant to all or part of the matching share or a third party in-kind contribution signed by an official authorized to commit the third party. (not included in the 5-page limit)

   NOTE: Faculty may be requested to present their findings at the New Jersey Private Well Consortium meeting. Travel and conference registration fees for international conferences are not eligible for funding under this grant. Funds can be used for student support as hourly pay, but not as a stipend or fellowship.
ATTACHMENT 1
## Project Title:

<table>
<thead>
<tr>
<th>Cost Category</th>
<th>Federal</th>
<th>Non-Federal</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Salaries and Wages (list personnel)</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>2. Fringe Benefits</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>3. Tuition</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>4. Supplies</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
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<tr>
<td>5. Equipment</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
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<tr>
<td>6. Services or Consultants</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
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<tr>
<td>7. Travel</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>8. Other Direct Costs</td>
<td>$</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>9. Total Direct Costs</td>
<td>$ 0.00</td>
<td>$ 0.00</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>10a. Indirect costs on federal share</td>
<td>XXXXXXX</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>10b. Indirect costs on non-federal share</td>
<td>XXXXXXX</td>
<td>$</td>
<td>$ 0.00</td>
</tr>
<tr>
<td>11. Total estimated costs</td>
<td>$ 0.00</td>
<td>$ 0.00</td>
<td>$ 0.00</td>
</tr>
</tbody>
</table>

Total Costs at Campus of the University on which the Institute or Center is located. $ 0.00

Total Costs at other University Campus Name of University: $ 0.00
BUDGET JUSTIFICATION

Project Title:

<table>
<thead>
<tr>
<th>Salaries and Wages for PIs.</th>
<th>Provide personnel, title/position, estimated hours and the rate of compensation proposed for each individual.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries and Wages for Graduate Students.</td>
<td>Provide personnel, title/position, estimated hours and the rate of compensation proposed for each individual. (Other forms of compensation paid as or in lieu of wages to students performing necessary work are allowable provided that the other payments are reasonable compensation for the work performed and are conditioned explicitly upon the performance of necessary work. Also, note that tuition has its own category below and that health insurance, if provided, is to be included under fringe benefits.)</td>
</tr>
<tr>
<td>Salaries and Wages for Undergraduate Students.</td>
<td>Provide personnel, title/position, estimated hours and the rate of compensation proposed for each individual. (Other forms of compensation paid as or in lieu of wages to students performing necessary work are allowable provided that the other payments are reasonable compensation for the work performed and are conditioned explicitly upon the performance of necessary work. Also, note that tuition has its own category below and that health insurance, if provided, is to be included under fringe benefits.)</td>
</tr>
<tr>
<td>Salaries and Wages for Others.</td>
<td>Provide personnel, title/position, estimated hours and the rate of compensation proposed for each individual.</td>
</tr>
<tr>
<td>Fringe Benefits for PIs.</td>
<td>Fringe Benefits for PIs. Provide the overall fringe benefit rate applicable to each category of employee proposed in the projects. Note: include health insurance here, if applicable.</td>
</tr>
<tr>
<td>-------------------------</td>
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</tr>
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<td>Fringe Benefits for Graduate Students.</td>
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</tr>
<tr>
<td>Fringe Benefits for Undergraduate Students.</td>
<td>Fringe Benefits for Undergraduate Students. Provide the overall fringe benefit rate applicable to each category of employee proposed in the projects. Note: include health insurance here, if applicable.</td>
</tr>
<tr>
<td>Fringe Benefits for Others.</td>
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</tr>
<tr>
<td>Tuition for Graduate Students.</td>
<td>Tuition for Graduate Students. Provide time &amp; amount. In-state or Out-of-state tuition?</td>
</tr>
<tr>
<td>Tuition for Undergraduate Students.</td>
<td>Tuition for Undergraduate Students. Provide time &amp; amount. In-state or Out-of-state tuition?</td>
</tr>
</tbody>
</table>
**Supplies.** Indicate separately the amounts proposal for laboratory and field supplies followed by a breakdown of the supplies in each category.

**Equipment.** Identify non-expendable personal property having a useful life of more than one (1) 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. A detailed breakdown is required.

**Services or Consultants.** Identify the specific tasks for which these services, consultants, or subcontracts would be used. Provide a detailed breakdown of the services or consultants to include personnel, time, salary, supplies, travel, etc. A breakdown is required for each cost.

**Travel.** Provide purpose and estimated cost for all travel. A breakdown should be provided to include location, number of personnel, number of days, per diem rate, lodging rate, mileage and mileage rate, airfare (whatever is applicable).

**Other Direct Costs.** Itemize costs not included elsewhere, including publication costs. Costs for services and consultants should be included and justified under “Services or Consultants” (above). Please provide a detailed breakdown for costs listed under this category.
Indirect Costs. Provide negotiated indirect ("Facilities and Administration") cost rate. If indirect costs are provided please include a copy of your current Indirect Cost Rate Agreement so the rate can be verified.