



Oklahoma Water  
Resources Center

## 2019 Request for Pre-Proposals in Water Research

Oklahoma Competitive Water Research Grants Program [USGS 104(b)]

OSU VPR Produced Water Research Grants Competition

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**Eligibility:** The Oklahoma Water Resources Center invites pre-proposals for water research projects from faculty members (up to \$25,000) and graduate students (up to \$5,000) through two programs:

1. the U.S. Geological Survey 104(b) grants program (available to researchers at *any institute* of higher education in Oklahoma)
2. OSU Vice President for Research (VPR) Produced Water Research Grants Competition (available only to *Oklahoma State University* researchers investigating treatment and reuse of produced water)

**Funding:** We anticipate funding one or more faculty projects (for up to \$25,000 each) and one or more graduate student projects (for up to \$5,000 each) *through each program*.

Student funds may support a new project or supplement an existing research project, allowing for additional supplies and materials, data collection, and/or travel. *Student pre-proposals should be written by the student* under the direction of a faculty sponsor. If selected, the faculty sponsor will serve as the project director.

Funding is contingent upon funds being provided. *Applicants must provide a 2:1 match in non-federal funds*. All indirect costs (F&A) must be waived, but may be counted as match. Salaries, benefits, and other project-related expenses covered by other state sources may also be counted as match. Matching funds for student researcher projects can be provided by the faculty sponsor.

**Timing:** If funding is available, grants will support one-year projects (March 1, 2019 - February 29, 2020). Longer projects must be divided into discrete, one-year proposals with distinct deliverables.

**Process:** The application process begins with *one-page pre-proposals*. Multiple pre-proposals representing distinct research projects from the same researcher are welcome. Our Water Research Advisory Board will meet in mid-July to select a subset of projects to continue in the competition based on the pre-proposal's quality and potential to address research priorities (*see next page*).

**Content:** The pre-proposal must include project title; brief descriptions of problem statement, project objectives, methods, and expected outcomes; list of project personnel; and total anticipated budget request.

**Format:** Pre-proposals must be submitted in Word format, be single-spaced in 10-pt Arial font, have 1-inch margins, and be no more than one page in length (not including citation list). Applicants are strongly encouraged to use the template available at <http://water.okstate.edu/researchers/funding/oklahoma-competitive-water-research-grants>.

**Deadline:** Send pre-proposals to [water@okstate.edu](mailto:water@okstate.edu) by **Friday, June 15, 2018 at 5:00 p.m.** Pre-proposals received after this deadline will not be reviewed.

**Research priorities are listed on the next page.**

**Research Priorities:**

1. **Oklahoma Competitive Water Research Grants Program [USGS 104(b)]:** Proposed research may deal with a wide range of water resources topics; however, priority will be given to research addressing the science, technology, policy or socio-economics of one or more of the following:
  - Treatment and beneficial reuse of produced water from oil and gas operations;
  - Innovative water management strategies to aid in achieving [Water for 2060](#), addressing agricultural and urban water conservation, water system losses, water supply system efficiency, aquifer storage and recovery, use of marginal quality water, and reuse of wastewater;
  - Addressing major water quality impairments in Oklahoma including bacteria, salinity, sediment and metals in streams/rivers and turbidity, dissolved oxygen, mercury, and algal blooms in lakes;
  - Impacts of climate variability, climate change, and extreme weather on Oklahoma water resources, along with measures to adapt and mitigate these impacts;
  - Establishing appropriate in-stream (or environmental) flows; and
  - Understanding surface water/groundwater interactions from both a management and policy perspective.
  
2. **OSU VPR Produced Water Research Grants Competition:** OSU researchers (faculty and students) investigating treatment and beneficial reuse of produced water from oil and gas operations are eligible for consideration in this competition.