

Limited Submissions

Limited Submissions Committee

Tufts University

LIMITED SUBMISSION: Department of Energy – Energy-Water Desalination Hub

*****PLEASE NOTE: ONE (1) PROPOSAL FROM TUFTS MAY BE NOMINATED*****

DEADLINES:

Tufts Internal Email of Intent Deadline: January 22, 2019

Sponsor Deadline: February 7, 2019 (required concept paper)

May 7, 2019 (full application)

For those interested, please send an **email of intent** to the Limited Submissions Team at limitedsubmissions@tufts.edu informing us of an intention to apply. EOI's received after the deadline will not be considered. The email of intent must include:

1. *The name of the solicitation,*
2. *The name of the Principal Investigator, and any co-PI's,*
3. *A 2-3 sentence description of the proposed project.*

Should the number of interested applicants exceed the number allowed by the funder, an internal selection process will be conducted by the Office of the Vice Provost for Research, and candidates will be notified to submit internal application materials. All candidates will be notified of results. NB: Successful applications must include official notification from the Limited Submissions Team in order to submit. For more information, please see <http://viceprovost.tufts.edu/resources/funding/limited-submissions/>

PROGRAM PURPOSE:

- To support the development of new energy-efficient, water-efficient, low-cost desalination technologies to treat non-traditional sources of water for drinking, irrigation, and industrial processes through a research hub that will utilize a coordinated suite of prizes, competitions, early stage research and development (R&D), and other programs to help address the nation's water security needs

PROGRAM REQUIREMENTS:

- An ideal Hub application would include multi-disciplinary experts from across industry, manufacturers, university, non-profits, Federally Funded Research & Development Centers, states and municipalities as well as other key stakeholders applicable to the project
- Recipient must demonstrate high likelihood of achieving the goals of all four required topics: 1) Materials Research & Development: Improve materials to improve energy efficiency and lower costs for water treatment; 2) New Process Research & Development: Novel technology processes and system design concepts; 3) Modeling & Simulation Tools: To inform R&D via performance forecasting, design optimization, and operation of desalination technologies and related water treatment systems; and 4) Integrated Data & Analysis: To align project-level activities in each area to the Hub goals and measure technical success
- The Hub's research must lead to fundamental new knowledge to drive energy-efficient and low-cost technological innovations to the point that industry will further develop and enable U.S. manufacturing of these new technologies to be deployed into the global marketplace.

ELIGIBILITY: No agency restrictions; please follow [Tufts PI eligibility policies](#)

AWARD INFORMATION: Up to \$100,000,000 will be awarded to a single project for a period of five years; please note that cost share of at least 20% is required

FURTHER INFORMATION: <https://eere-exchange.energy.gov/#Foald4f2ad83a-6f54-4458-97d8-94e748cb2f14>

NOTE: Program announcement instructions supersede instructions delivered in this document.