

Princeton E-ffiliates Partnership 2017 Request for Proposals

Princeton E-ffiliates Partnership (E-ffiliates) is issuing a request for proposals (RFP) to promote cross-disciplinary research among Princeton University researchers in the areas of energy and the environment. Funding for this annual RFP is made possible through member company contributions to E-ffiliates. Teams led by a Princeton researcher as the Principal Investigator (PI) may submit proposals with budgets up to \$150,000 for year-long projects, with a target start date of January 1, 2018. Up to two projects will be supported during this cycle.

This request for proposals is open to research teams across campus that include at least one Princeton faculty member or senior researcher to propose interdisciplinary projects related to the following topic areas within energy and the environment:

- Energy efficiency (e.g., scaling impactful solutions, employing the internet of things)
- Utility of the future (e.g., microgrids, behind the meter, integration with existing infrastructure)
- Carbon capture and storage (e.g., technologies or policies to enable economically viable CCS)
- Sustainable manufacturing and chemical synthesis
- Future of nuclear power (e.g., scaling small reactors, competitiveness)

Review of the proposals will be conducted by a cross-disciplinary representation of the Princeton faculty whose recommendations will be passed on to the E-ffiliates Advisory Committee for approval. Review criteria include: relevance to topic areas listed above, intellectual merit, and potential impact in energy/environment (evaluated by member companies). Applicants will be notified of funding decisions by early December.

To be considered under this request for proposals, submit the following items electronically to PrincetonE-ffiliates@princeton.edu by September 22, 2017:

- a completed proposal cover page (form attached) providing names and affiliations of all members of the team, project title, and abstract;
- a narrative of no more than three pages (single-spaced, 12-point font, including tables and figures, but not including references) that describes the project and addresses the intellectual merit. The narrative also requires the following sections:
 - a description of how the results of the project could then be transitioned to an implementable solution for the problem addressed such as working with stakeholders, potential commercialization efforts, or industry collaborations;

- an “Impact” section describing the potential impact of the proposed research in ensuring a sustainable energy future. Ideally, the research should impact big, long-range, real-world issues. The impact statement must be written for the general public; if 100% successful, what would the outcome be and how would it change the energy/environment landscape?
- brief biographies of all team members;
- a separate budget page with justification:
 - allowable expenses include, but are not limited to, student stipends and postdoctoral salaries, program-related travel, funds to implement events (e.g., roundtables to bring together experts for policy analyses), publication costs, laboratory equipment, faculty summer salary, and materials and supplies associated with the project;
- a list of current and pending support of all team members, along with a brief statement on any overlap of this project with existing funded research directions.

Recipients of this E-ffiliates funding will be required to:

- submit a two-page mid-term progress report to E-ffiliates six months after the commencement of the project;
- submit a two-page final report within 30 days of the funding period end date;
- account for the use of funds received by providing the names of personnel supported, equipment purchased, etc.;
- provide acknowledgement in any publications or patents derived in part or whole from the funding and notify the Associate Director upon acceptance;
- present highlights of the project at the 2018 E-ffiliates Annual Meeting.

Incomplete applications will be returned without consideration.

Faculty members who have received support in the past from E-ffiliates are not excluded, as long as there are no progress/final reports outstanding. However, preference will be given new applicants over past awardees.



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Please complete and submit this cover page along with (1) the proposal narrative, (2) a description of the translation of the research to an implementable solution, (3) an impact statement, (4) brief biographies of all team members, (5) a detailed budget justification and (6) a list of current and pending research support of all team members. Please submit these items as a single PDF document electronically to PrincetonE-affiliates@princeton.edu by September 22, 2017.

Name of Lead PI:	Department:
Email Address:	Date:
Signature:	

****This table may be reproduced to accommodate all team members on the proposal****

Name of Team Member:	Name of Team Member:
Title/Affiliation:	Title/Affiliation:
Email Address:	Email Address:

Project Title:	
Project Abstract (approximately 200 words):	
Total Budget Requested (up to \$150,000):	Proposed Start and End Dates: