

## Princeton E-affiliates Partnership 2014 Request for Proposals

Princeton E-affiliates Partnership (E-affiliates) is having a request for proposals (RFP) to promote cross-disciplinary, integrative research among Princeton University researchers and industry in the areas of energy and the environment. Funding for this annual RFP is made possible through member company contributions to E-affiliates. 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, 2015. Up to two projects will be supported during this cycle.

E-affiliates aims to enhance collaboration and promote technology transfer between Princeton University and its corporate partners to address global energy needs and environmental concerns. E-affiliates is administered by the Andlinger Center for Energy and the Environment (ACEE) in partnership with the Princeton Environmental Institute, the School of Architecture, and the Woodrow Wilson School of Public and International Affairs.

This request for proposals is open to research teams across campus that include at least one Princeton faculty member or senior researcher and one industrial partner, preferably an E-affiliates member (listed below), to explore interdisciplinary and integrative projects in the areas of energy and the environment. This year's request for proposals will focus on the development of energy and sustainable technologies and policy options that can reduce the impacts of climate change.

An objective of this year's RFP is to conduct research to explore cost-effective measures to reduce emissions and/or improve infrastructure. Research areas could include both potential technological advances, as well as policy measures that could achieve these objectives. The resulting socio-economic impact of those policies should also be considered.

More specifically, this year's RFP seeks proposals that address one or more of the following areas:

- Cost-effective solutions for energy efficiency and energy infrastructure resiliency in the near term (within five years), including the development of smart cities and cost-recovery policies that consider socio-economic implications;
- Improvements in energy conversion technologies which could enable emissions reduction, including traditional power sources, as well as earlier-stage technologies, such as ocean power, solar, biofuels and gasification;

- Energy storage, as well as policy constructs to incent low-carbon generation; and
- The development of sustainable or reduced carbon footprint materials that could become a cost-effective alternative to currently used materials.

PIs intending to submit proposals are welcome to contact E-affiliates members to discuss potential touch points for collaborations; contact information for members is provided at the end of this document.

A faculty scientific review committee with suitably broad cross-disciplinary representation will review the proposals, as will E-affiliates members and the E-affiliates Advisory Committee (EAC).

Proposals will be reviewed on the following bases:

- the alignment of the proposed project with the emphasis of this year's request for proposals;
- the potential impact of the proposed project;
- the involvement of industrial partners, preferably an E-affiliates member, as a formal collaborator, on an advisory basis, or as participants in endeavors such as policy workshops and roundtables.

Allowable expenses include, but are not limited to, student stipends and post-doctoral salaries, program-related travel, funds to implement events (e.g., roundtables to bring together experts for policy analyses), publication costs, laboratory equipment, and materials and supplies associated with the project.

To be considered under this request for proposals, submit the following items electronically to [PrincetonE-affiliates@princeton.edu](mailto:PrincetonE-affiliates@princeton.edu) (attention: Robin Hauer) by September 17, 2014:

- a complete 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 five pages (single-spaced, 12-point font, including tables and figures, but not including references) that describes the project and addresses the merit bases outlined above;
- a short description of how the results of the project could be transitioned to an implementable solution for the problem addressed;
- a separate budget page with justification; and
- 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 2014 E-affiliates funding will be required to:

- submit a two-page mid-term progress report to E-affiliates six months after the commencement of the project;
- participate in a mid-term review meeting or teleconference if requested by E-affiliates members (in the event that multiple corporate members are interested in the project, a combined review or teleconference will be held to which all interested members will be invited);
- 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 that result;
- present highlights of the project at the 2015 E-affiliates annual meeting.

Incomplete applications will be returned without consideration.

E-affiliates member contact information:

PSEG

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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) brief biographies of all team members, (4) a detailed budget justification and (5) 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](mailto:PrincetonE-affiliates@princeton.edu) by September 17, 2014.

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: