



**U.S. Department of Energy  
Advanced Research Projects Agency – Energy**

**Notice of  
Teaming Partner List for Upcoming FOA:  
Full-spectrum Optimized Collection and Utilization of Sunlight (FOCUS)**

In July 2013, the Advanced Research Projects Agency - Energy (ARPA-E) intends to issue a Funding Opportunity Announcement (FOA) entitled Full-spectrum Optimized Collection and Utilization of Sunlight (FOCUS). The anticipated objective of the FOCUS FOA will be to identify transformational concepts for solar energy systems with both high solar conversion efficiency and high energy dispatchability. Two specific areas of interest are: (1) solar energy collectors that efficiently capture exergy over the entire solar spectrum to provide BOTH heat and electricity; and (2) energy storage using BOTH heat and electricity as inputs, with electricity as the output. Solar production of transportation fuels will not be an area of interest for this FOA.

As a general matter, ARPA-E strongly encourages outstanding scientists and engineers from different organizations, scientific disciplines, and technology sectors to form new project teams. Interdisciplinary and cross-sectoral collaboration spanning organizational boundaries enables and accelerates the achievement of scientific and technological outcomes that were previously viewed as extremely difficult, if not impossible. Teaming Partner Lists are intended to help facilitate the formation of new project teams. The Teaming Partner List for the FOCUS FOA will be available on ARPA-E eXCHANGE (<http://arpa-e-foa.energy.gov>), ARPA-E's online application portal, starting in early July 2013. The Teaming Partner List will be updated periodically, until the close of the Full Application period, to reflect new Teaming Partners who have provided their information.

Any organization that would like to be included on this list should complete all required fields in the following link: <https://arpa-e-foa.energy.gov/Applicantprofile.aspx>. Required information includes: Organization Name, Contact Name, Contact Address, Contact Email, Contact Phone, Organization Type, Area of Technical Expertise, and Brief Description of Capabilities.

Expertise in the following Technical Areas may be useful in responding to the FOCUS FOA: concentrating solar power system design and manufacturing; concentrating photovoltaic system design and manufacturing; solar-to-electricity devices with high efficiency in the temperature range from 100 – 600°C; growth of III-V photovoltaic cells on reusable templates; concentration of sunlight; high efficiency spectrum splitting of concentrated sunlight; inexpensive photonics and plasmonics; solar energy absorption materials and architectures; bonding of electronic devices for effective heat transfer; combined heat and power applications; electrolysis; electrochemical energy storage; thermal energy storage; mechanical energy storage; high temperature materials and thermal fluids up to 600°C; and systems integration.

By submitting a response to this Notice, you consent to the publication of the above-referenced information. By facilitating this Teaming Partner List, the Federal Government does not endorse or otherwise evaluate the qualifications of the entities that self-identify themselves for placement on the Teaming Partner List. The



Federal Government will not pay for the provision of any information, nor will it compensate any respondents for the development of such information. Responses submitted to other email addresses or by other means will not be considered.

**This Notice does not constitute a FOA. No FOA exists at this time.** Applicants must refer to the final FOA, expected to be issued in July 2013, for instructions on submitting an application and for the terms and conditions of funding.